

AD-A113 154

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NELLIS AFB, LAS VEGAS, NEVADA. REVISED UNIFORM SUMMARY OF SURFA--ETC(U)  
OCT 81

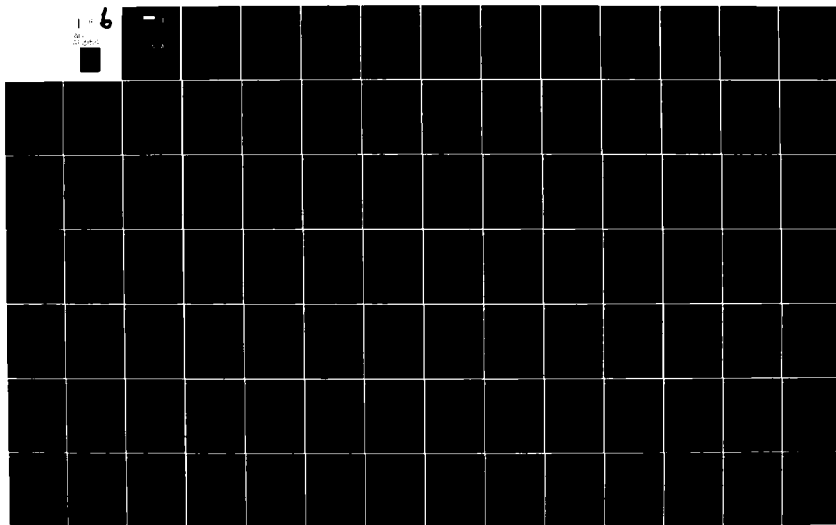
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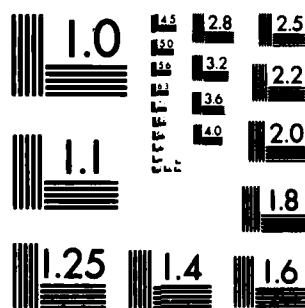
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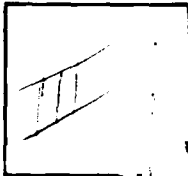
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NATIONAL BUREAU OF STANDARDS-1963-A

PHOTOGRAPH THIS SHEET

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AD A113154

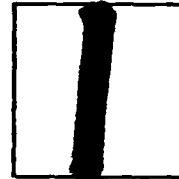
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REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

NELLIS AFB NV WEAN # 23112  
N 36 14 W 115 02 FLD ELEV 1869 FT LSV WMO .

PARTS A - F  
POR FROM HOURLY OBS: JUN 69 - DEC 70, JAN 73 - MAY 81  
POR FROM DAILY OBS: MAR 42 - SEP 44, JAN 49 - MAY 81  
TIME CONVERSION GMT TO LST: -8

OCT 29 1981

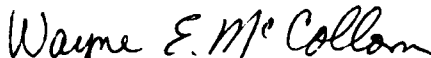
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WAYNE E. MCCOLLOM, Chief  
Technical Information Section  
USAFETAC/TST

FOR THE COMMANDER

  
WALTER S. BURGMANN  
AWS Scientific and Technical  
Information Officer (STINFO)

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

3

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS- 81/104	2. GOVT ACCESSION NO. AD-A113 154	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Nellis AFB, Las Vegas, Nevada		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER															
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER(s)															
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBERS															
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		15. SECURITY CLASS. (of this report) UNCLASSIFIED															
16. DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.		15a. DECLASSIFICATION DOWNGRADING SCHEDULE															
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Nellis AFB, Las Vegas, Nevada It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over))																	

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19. Percentqge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* Nevada

\*

Nellis AFB, Nevada  
Las Vegas, Nevada

20. and dew-point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurrence tables.

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ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are required for all hours of local time. Observations recorded at intervals other than hourly.

### DAILY OBSERVATIONS

Daily observations are required for all hours of local time. Observations recorded at intervals other than hourly. Observations recorded at intervals other than hourly.

### DESCRIPTION OF SUMMARIES

Summary sheets are prepared for each day of the month. Each summary sheet contains a table for recording hourly observations. The table is divided into two main sections: one for recording hourly observations and one for recording daily observations. The table is divided into two main sections: one for recording hourly observations and one for recording daily observations.

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#### PART A WEATHER CONDITIONS

##### ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

##### SNOWFALL

##### SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

##### SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

##### EXTREME MAX & MIN TEMP

##### PSYCHROMETRIC DRY VS WET BULB

##### MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

##### RELATIVE HUMIDITY

#### PART F STATION PRESSURE

##### SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

Summary sheets are prepared for each day of the month. Each summary sheet contains a table for recording hourly observations. The table is divided into two main sections: one for recording hourly observations and one for recording daily observations. The table is divided into two main sections: one for recording hourly observations and one for recording daily observations.

### MISSING HOUR GROUPS

Summary sheets are prepared for each day of the month. Each summary sheet contains a table for recording hourly observations. The table is divided into two main sections: one for recording hourly observations and one for recording daily observations. The table is divided into two main sections: one for recording hourly observations and one for recording daily observations.

JANUARY \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MARCH \_\_\_\_\_

APRIL \_\_\_\_\_

MAY \_\_\_\_\_

JUNE \_\_\_\_\_

JULY \_\_\_\_\_

AUGUST \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

OCTOBER \_\_\_\_\_

NOVEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
23112	NELLIS AFB NEVADA	N 36 14	W 115 02	1869	LSV	

## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	MT. BARO.	
1	Las Vegas AAF Nevada	AAF	Mar 42	Sep 44	N 36 15	W 115 02	1866	1869	24
2	Las Vegas AFB Nevada	AFB	Jan 49	May 50	Same	Same	Same	1892	24
3	Nellis AFB Nevada	Same	Jun 50	Feb 53	Same	Same	Same	1867	24
4	Same	Same	Mar 53	Feb 57	Same	Same	Same	1881	24
5	Same	Same	Mar 57	Oct 63	Same	Same	Same	Same	24
6	Same	Same	Nov 63	Dec 72	Same	Same	1868	Same	24
7	Same	Same	Dec 72	Dec 80	N 36 14	Same	1868	Same	24
8	Same	Same	Dec 80	Aug 81	Same	Same	1869	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Mar 42to Feb 43	Located on temporary Base Operations Bldg.	Selsyn	ML-144	N/A	
2	Mar 43to Apr 44	Located on NE corner of main Hangar.	Same	Same	N/A	
3	May 44to Sep 44	Located on N wing of Operations Bldg.	Same	Same	N/A	
4	Jan 49to Feb 54	Located on Bldg housing the Weather Station.	AN/GMQ-1	ML-204 (Wnd Pnl)	30 ft	
5	Mar 54to Mar 55	Located 30 ft W of Weather Station on top of small Bldg.	Same	Same	20 ft	
6	Apr 55to Feb 59	Located on roof of Bldg T-805.	Same	Same	36 ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
7	Mar 59to May 60	Same	Same	Same	30 ft	
8	Jun 60to Jan 66	Located parallel to Rnwy 02/20 at the S end.	AN/GMQ-11	RO-2	Surface	
9	Feb 66to Sep 66	Located parallel to Rnwy 02/20 at the N end.	Same	Same	Same	
10	Oct 66to Nov 66	1. Located parallel to Rnwy 02 at S end, 2500 ft from S end of Rnwy Complex. 2. Located parallel to Rnwy 20 at N end, 1300 ft from N end of Rnwy Complex.	Same	Same	Same	
11	Dec 66to Feb 69	1. Rnwy 03 Same as above. 2. Rnwy 21 Same as above.	Same Same	Same	Same Same	
12	Mar 69to Jun 70	1. Located 500 ft from center-line of Rnwy 03R, 2500 ft from the end. 2. Located 500 ft from center-line of Rnwy 21L, 1450 ft from the end.	Same Same	Same	10 ft 13 ft	
13	Jul 70to Dec 72	1. Same 2. Located 375 ft from center-line of Rnwy 21L, 1450 ft from the end.	AN/GMQ-20 Same	RO-362	10 ft 13 ft	
14	Dec 72to Aug 81	1. Same 2. Located 500 ft from center-line of Rnwy 21L, 1450 ft from end.	Same Same	Same	Same Same	

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.



40. CLIMATE LOG FOR  
 70,77-91  
 SERVICE 7440

# WEATHER CONDITIONS

12 JUL 77-91 34  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST. TO VISION	TOTAL NO. OF OBS
JUL	10-11		3.9		.5		4.5	.8				.4	901
	11-12		4.2		1.1		5.2	.6	.3			.4	933
	12-13		3.3		1.4		4.5	1.2	.3		.1	1.3	950
	13-14		2.8		1.1		3.9	.8			.3	1.1	937
	14-15		1.9		.3		2.5	.4			.1	.5	937
	15-16		3.4		.6		4.4	.4				.4	930
	16-17		2.9		.3		3.7						930
	17-18		3.1		.5		3.8						927
TOTALS			3.2		.9		4.1	.5	.1		.1	.5	7442

1. CLIMATE LOG - RAIN  
 2. CLIMATE LOG - RAIN  
 3. CLIMATE LOG - RAIN

# WEATHER CONDITIONS

STATION: 112      STATION NAME: 112      YEARS: 75, 77-91      MONTH: 11

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
	1-1		1.1		.2		3.1	.4				.4	146
	1-17		4.5		.4		4.5	.6				.1	146
	1-18		4.4		.5		4.6	1.3				1.4	146
	1-11		4.3		.4		4.5	1.2			.4	1.1	146
	1-14	.4	3.7				3.7	.4			.1	.3	146
	1-17	.5	3.3				3.3	.2			.5	1.3	146
	1-21	.4	3.4				3.4	.7			.1	.7	146
	1-23		3.7				3.7	.1				.1	146
TOTALS		.2	3.7		.2		3.9	.6			.2	1.1	5764

1015 TOLSON 1015 CH

1015 SERVICE 1015

# WEATHER CONDITIONS

STATION 1015 STATION NAME 1015 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST. TO VISION	TOTAL NO. OF OBS
	10-11	.1	4.4				4.4				.1	.1	4.5
	11-12		4.1				4.1				.1	.1	4.2
	12-1		4.4				4.4	1.0			.1	1.1	5.5
	1-2		3.7				3.7	.8	.2		.4	1.4	4.9
	1-11	.3	5.1			.1	5.1	.2			.6	.9	6.2
	1-17	.3	4.6				4.6	.1			.6	1.1	5.7
	1-23	.3	5.3				5.3	.2			.2	.4	5.9
	1-25	.3	4.1				4.1				.1	.1	4.2
TOTALS		.4	4.4			.1	4.4	.3	.1		.3	.7	7.4

NO. CLEAR TO LOOK THROUGH

USAFAC

WEATHER SERVICE/RAO

## WEATHER CONDITIONS

12

ALLIANCE

70, 71-91

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
	00-05	.2	1.4				1.4						810
	06-10		1.0				1.0						810
	11-15		1.0				1.0	.4				.4	846
	16-20	.1	1.0				1.0	.2			.1	.3	810
	21-24	.1	1.0				1.0				.5	.5	900
	25-29	.1	1.0				1.0				.4	.4	810
	30-31	.1	.0				.0				.2	.2	819
	1-23	.1	1.1				1.1						810
TOTALS		.1	1.2				1.2	.1			.2	.3	7197

CLIMATE DATA REPORT  
 FORM 54-10-5 (CL. A)  
 1-1-64

# WEATHER CONDITIONS

STATION NAME: 71,73-81 YEARS: MONTH:

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1-1			1.2				1.2	.1			.4	.2	930
1-2		.3	1.6				1.9	.2	.1		.2	.5	930
1-3		.1	1.3				1.4	.3	.3		.2	.9	930
1-11			.7				.7	.1	.1		.1	.2	930
1-14		.6	1.3				1.9				.2	.2	930
1-17		.5	1.3				1.8				.1	.1	929
1-20		.4	1.3				1.7				.2	.2	927
1-23		.4	.6				.6						927
TOTALS		.3	1.2				1.2	.1	.1		.1	.3	7432

CLIMATE SERVICE/PAVEH  
TAC  
CLIMATE SERVICE/PAVEH

# WEATHER CONDITIONS

STATION 112 STATION NAME 69-7, 73-47 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1-1	1-01	.2									.1	.1	900
	1-02		.1				.1						999
	1-03		.1				.1						900
	1-11		.2				.2						900
	1-14	.2	.2				.2				.1	.1	899
	1-17	.9	.3				.3				.2	.2	900
	1-20	.1	.6				.6				.4	.4	900
	1-23	.2	.2				.2				.3	.3	900
TOTALS		.2	.2				.2				.2	.2	7198

WEATHER CONDITIONS  
 STATION NAME  
 DATE OF SERVICE/1960

# WEATHER CONDITIONS

STATION 112 STATION NAME 59-71, 73-81 YEARS MONTH

PER CENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITION FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	0-11	.4	1.0				1.0						930
	12-11	.5	1.4				1.4						930
	12-15		1.0				1.0						930
	16-11	.2	.7				.9	.1				.1	930
	12-11	1.5	1.3				1.7				.2	.2	930
	12-17	1.7	1.4				1.4	.1				.1	930
	18-21	1.7	2.4				2.0				.2	.2	930
	22-27	1.5	1.9				1.9						930
TOTALS		.6	1.4				1.4	.1			.1	.1	744

ALLEGATOLOK KPAKOV  
 1111  
 WEATHER SERVICE /KAC

# WEATHER CONDITIONS

12 JUL 1969 69-7, 73-80 10

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	1-7	.4	.3				.5						730
	7-13	1.2	1.3				1.3						730
	13-19	.2	1.2				1.2		.1			.1	730
	19-25	.2	.4				.3	.2	.5			.5	730
	25-31	1.3	.5				.5		.1			.1	730
	1-17	1.3	1.1				1.2						730
	17-21	1.3	1.2				1.2				.5	.5	730
	21-23	1.3	1.5				1.3						730
TOTALS		.9	1.1				1.0	.5	.1		.1	.2	7440



CLIMATOLOGY BRANCH  
 AFSC  
 WEATHER SERVICE/AFAC

## WEATHER CONDITIONS

12 JULI 1969 69-73,73-69 SEP  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER-  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1	00-01	.2	.4				.4				.1	.1	900
	01-02	.4	1.1				1.1						900
	02-03	.2	.7				.7				.1	.1	900
	03-04	.2	.4				.2				.1	.1	900
	04-05	.3	.1				.3						900
	05-06	1.1	1.6				1.6				.1	.1	900
	06-07	.6	.7				.7				.2	.2	900
	07-08	.3	.6				.6						900
TOTALS		.4	.7				.9				.1	.1	7200

ALCUTIA TOLUEN BRANCH  
 ATAC  
 AIRMAIL SERVICE/MAC

## WEATHER CONDITIONS

10 1000 67-73, 73-80 107  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1	01-01	.2	1.4				1.4				.1	.1	429
	1-2	.6	1.3				1.3						430
	1-3	.1	1.0				1.0						430
	1-11	.2	1.4				1.4				.1	.1	430
	12-14	.3	.6				.6				.1	.1	430
	14-17	.3	1.0				1.0				.2	.2	430
	17-21	.1	.4				.4				.4	.4	430
	1-25	.5	.4				.5						430
TOTALS		.4	1.0				1.0				.1	.1	7439

METEOROLOGICAL BRANCH  
U.S. AIR FORCE  
AFHS SERVICE/446

## WEATHER CONDITIONS

STATION 12 MILITARY AFB NV 69-71, 73-81 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	0-1		1.1				1.1				.1	.1	900
	1-11		1.1				1.1	.1				.1	900
	1-11		.8				.9	.7				.7	900
	07-11		.7				.7	.2			.2	.4	900
	12-14		1.2				1.2				.3	.3	900
	15-17		1.2				1.2						900
	18-20		2.0				2.0						900
	21-23	.1	.9				.9						900
TOTALS		.1	1.1				1.1	.1			.1	.2	7000

ALL METEOROLOGY PERSONNEL  
 MUST  
 FATHER SERVICE/MAC

## WEATHER CONDITIONS

12 JULIAN PERIOD 69-71, 73-80 000  
 STATION STATION NAME YEARS MONTH

BY CONTACT THE AGENCY OF OCCURRENCE OF WEATHER  
 CONDITION FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1-1	0-1		1.1				1.1	.6				.6	930
	2-10		2.2		.1		2.3	.6	.1			.6	930
	3-10		2.1				2.1	1.2				1.2	930
	4-11		2.3				2.3	1.5				1.5	930
	12-14		2.1				2.1	.7			.4	1.3	930
	15-17		1.6		.1		1.6	1.0	.1		.3	1.4	928
	18-20	.1	.6				.6	.3			.1	.4	927
	21-23		1.1				1.1	.3				.3	927
TOTALS		.1	1.7		.1		1.7	.8	.2		.1	.9	7432

AF CLIMATOLOGY BRANCH

STATION SERVICE TAG

# WEATHER CONDITIONS

12 ALL 69-71, 73-81 ALL

STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
ALL	ALL		1.2		.9		4.1	.5	.1		.1	.6	7440
		.2	3.7		.2		3.9	.8			.2	1.0	6765
		.2	4.4			.2	4.4	.3	.0		.3	.7	7440
		.1	1.2				1.2	.1			.2	.3	7117
		.3	1.2				1.2	.1	.1		.1	.3	7432
		.2	.2				.2				.2	.2	7198
JAN		.2	1.4				1.4	.0			.1	.1	7440
FEB		.9	1.0				1.0	.0	.1		.1	.2	7440
MAR		.4	.				.9				.1	.1	7250
APR		.4	1.0				1.0				.1	.1	7439
MAY		.2	1.1				1.1	.1			.1	.2	7200
JUN		.0	1.7		.0		1.7	.0	.0		.1	.9	7432
TOTALS		.3	1.0		.1	.0	1.8	.2	.0		.1	.4	97626

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAW data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $5/8$  mile.

AL DERMATOLOGY BRANCH  
TAC  
SERVICEMAN

XX **WEATHER CONDITIONS**  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

STATION NAME: 49-61 YEARS: ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO OF OBS.
JAN	11.1	.1	1.4		.5	.2	10.0	2.9	.2		.7	0.0	1014
FEB		1.0	14.5		.9	.2	14.0	1.9			.9	2.0	971
MAR		1.4	17.2		.5	.3	17.3	1.5	.4		1.0	0.3	1073
APR		1.6	11.7		.2	.1	11.5	.6	.1		1.3	2.0	980
MAY		1.8	10.4			.1	10.4	.2	.5		.5	1.2	1020
JUN		3.5	5.7			.2	5.7		.1		.8	.9	950
JUL		11.1	15.0			.2	15.9	.2	.1		1.9	2.2	990
AUG		11.6	15.3			.1	15.3	.2	.2		1.2	1.5	990
SEP		4.8	10.5				10.5	.2			.3	.5	955
OCT		2.3	7.3		.1		9.8	.2	.1		.9	1.1	990
NOV		.9	10.4		.8		10.4	1.5			.5	2.1	960
DEC		.1	11.7		1.5		12.1	2.9	.6		.6	3.0	979
TOTALS		1.4	12.4		.5	.1	12.6	1.5	.2		.9	2.1	11011

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.



- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

2

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION

(FROM DAILY OBSERVATIONS)

21112

WELLIS AFB NV

42-44, 49-81

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	4.2	7.7	.9	1.2	1.3	2.9	1.3	.4						8.1	1066	.43	1.55	.00
FEB	4.4	6.6	.8	2.3	1.9	2.0	1.5	.5						9.0	988	.43	1.94	.00
MAR	7.7	8.4	.7	2.4	1.8	2.4	1.2	.5						8.9	1101	.42	1.43	.00
APR	7.6	6.1	.6	2.1	1.3	1.5	.3	.4	.1					6.3	1080	.26	3.36	.00
MAY	8.2	6.5	.7	1.3	.6	.7	.6	.1						4.0	1116	.15	.94	.00
JUN	7.2	5.0	.4	.6	.3	.3	.2							1.7	1050	.05	.38	.00
JUL	4.1	4.4	1.7	2.1	.6	1.4	.8	.5	.2					7.5	1085	.38	1.56	.00
AUG	4.5	9.4	.9	2.1	.7	1.2	.4	.3	.5					6.1	1085	.41	2.44	.00
SEP	8.9	5.1	.5	1.4	.3	1.1	.4	.6	.2					5.0	1050	.33	1.40	.00
OCT	8.9	4.9	1.0	1.8	.8	.9	.5	.4						5.4	1054	.24	1.26	.00
NOV	7.0	4.0	.4	1.7	1.0	1.3	.7	.8	.1					5.9	1020	.39	2.41	.00
DEC	7.7	5.2	1.1	2.6	1.4	1.5	.8	.3	.1					7.8	1054	.32	1.59	.00
ANNUAL	7.7	6.4	.8	1.8	1.0	1.4	.7	.4	.1					6.3	12749	3.78		

AL CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

# EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

2112 WELLS AFB AR  
STATION STATION NAME

42-44, 49-81

YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
42			.70	TRACE	.00	.00	TRACE	1.50	.00	.10	.00	.04	
43	.60	.10	.18	.40	TRACE	.00	TRACE	.02	.22	.02	TRACE	.41	.65
44	.32	.27	.05	TRACE	.15	TRACE	TRACE	.00	.00				
49	*TRACE*	*TRACE*	.06	TRACE	.02	.23	.30	.20	.07	TRACE	.08	.06	.30
50	TRACE	.12	.01	TRACE	.00	TRACE	.64	.11	.90	TRACE	TRACE	.01	.90
51	.30	.21	.08	.08	.08	.00	.20	1.12	.94	.15	.22	.11	1.12
52	.37	TRACE	.83	.60	TRACE	.02	.40	.09	.41	.00	.26	.31	.83
53	TRACE	.00	.01	TRACE	TRACE	TRACE	.26	TRACE	.00	.21	.03	TRACE	.26
54	.34	.01	.29	.06	TRACE	TRACE	.31	TRACE	1.15	.04	.76	.15	1.15
55	.62	.13	TRACE	TRACE	.01	.23	.14	.44	.00	.03	TRACE	.05	.92
56	.28	.22	.00	.02	TRACE	.00	.25	.00	.00	.16	.00	.00	.28
57	.21	.05	TRACE	.63	.13	.10	1.15	1.77	TRACE	.10	.42	.03	1.77
58	.03	.81	.15	.15	.32	.00	TRACE	.05	.13	.61	.99	.00	.99
59	.12	.30	TRACE	TRACE	TRACE	TRACE	.00	.21	.32	.05	.94	.91	.94
60	.22	.11	.04	.11	.02	.06	TRACE	TRACE	.25	.73	1.17	.35	1.17
61	.23	TRACE	.12	.04	TRACE	.00	.31	1.62	.02	.10	.07	.21	1.62
62	.03	.18	.02	.00	TRACE	TRACE	.01	TRACE	.12	.49	.00	.16	.49
63	.12	.34	.15	.10	TRACE	.31	.00	.05	.62	.30	.26	TRACE	.62
64	TRACE	TRACE	.02	.07	.10	TRACE	.22	TRACE	TRACE	TRACE	.11	.01	.22
65	TRACE	.23	.33	1.25	.45	.01	.04	.33	.09	.02	.97	.73	1.25
66	.01	.07	TRACE	.20	.02	TRACE	.66	.02	1.16	.05	.22	.16	1.16
67	.30	TRACE	TRACE	.03	.07	.14	.11	.14	.63	.00	.83	.17	.83
68	TRACE	.22	.11	.06	.02	.05	.04	.03	.01	.23	.10	.03	.23
69	.73	.27	.15	TRACE	.39	.05	.74	.11	.01	.18	.03	.00	.74
70	TRACE	.46	.17	.04	.00	TRACE	.05	.62	.00	.01	.15	.07	.62
71	TRACE	.05	.02	TRACE	.57	TRACE	TRACE	.02	.00	.03	.22	.21	.57
72	.10	.00	TRACE	.07	.04	.11	1.56	.17	.22	.77	.79	.08	1.56
73	.25	.32	.45	.23	.03	TRACE	.01	.15	TRACE	.01	.04	.04	.45
74	.45	.03	.38	TRACE	TRACE	.00	.20	.11	.00	.37	.33	.63	.63
75	TRACE	.03	.58	.18	.01	TRACE	.76	.04	.10	.02	TRACE	TRACE	.76
MEAN													
S D													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
JUL 64

0-88-5 (OLA)



CLIMATE CLIMATOLOGY BRANCH  
 ETAC  
 AIRCRAFT SERVICE/MAC

**EXTREME VALUES**  
 MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

2-112  
 STATION

ELLIS AFB TX  
 STATION NAME

42-44, 49-81

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42			.70	TRACE	.00	.00	TRACE	1.65	.00	.10	.00	.04	
43	.24	.10	.45	.34	TRACE	.00	TRACE	.03	.26	.02	TRACE	1.36	3.98
44	.42	.98	.05	TRACE	.20	TRACE	TRACE	.00	.00				
49	*TRACE	*TRACE	.06	TRACE	.03	.03	.30	.30	.07	TRACE	.08	.03	* .95
51	TRACE	.12	.02	TRACE	.00	TRACE	.78	.11	.90	TRACE	TRACE	.01	1.94
51	.41	.01	.06	.22	.09	.00	.31	1.20	.94	.17	.22	.18	3.82
52	.46	TRACE	1.81	.95	TRACE	.02	.62	.09	.69	.00	.41	.56	5.61
53	TRACE	.00	.01	TRACE	TRACE	TRACE	.27	TRACE	.00	.29	.03	TRACE	.59
54	.55	.02	.62	.06	TRACE	TRACE	.51	TRACE	1.40	.04	.76	.25	4.22
55	1.43	.17	TRACE	TRACE	.01	.23	.30	.75	.00	.03	TRACE	.07	2.99
56	.21	.22	.00	.04	TRACE	.00	.56	.00	.00	.16	.00	.00	1.21
57	.41	.07	TRACE	.70	.22	.10	1.15	2.10	TRACE	.24	.49	.04	5.52
58	.59	.96	.39	.34	.32	.00	TRACE	.07	.20	.61	1.40	.00	4.88
59	.10	.68	TRACE	TRACE	TRACE	TRACE	.12	.39	.36	.06	1.11	1.59	4.43
60	.85	.31	.04	.11	.02	.06	TRACE	TRACE	.25	.77	1.58	.41	4.20
61	.24	TRACE	.17	.08	TRACE	.00	.60	1.84	.02	.26	.09	.44	3.74
62	.03	.49	.02	.00	TRACE	TRACE	.01	TRACE	.12	.52	.00	.01	1.40
63	.19	.46	.21	.16	TRACE	.38	.00	.07	1.29	.66	.41	TRACE	3.83
64	TRACE	TRACE	.04	.11	.18	TRACE	.28	TRACE	TRACE	TRACE	.13	.01	.75
65	TRACE	.29	.56	3.36	.94	.01	.07	.39	.09	.02	2.41	1.50	9.64
66	.01	.16	TRACE	.20	.04	TRACE	.70	.02	1.36	.10	.25	.32	3.16
67	.43	TRACE	TRACE	.05	.07	.14	.21	.16	.85	.00	1.32	.20	3.49
68	TRACE	.08	.11	.06	.02	.05	.05	.03	.01	.24	.10	.03	.98
69	1.37	.80	.41	TRACE	.60	.05	.77	.11	.02	.18	.03	.00	4.34
70	TRACE	.91	.42	.04	.00	TRACE	.10	.78	.00	.01	.15	.11	2.52
71	TRACE	.12	.02	TRACE	.71	TRACE	TRACE	.08	.00	.05	.22	.46	1.69
72	.00	.00	TRACE	.07	.04	.15	1.56	.40	.28	1.26	.90	.18	4.84
73	.49	1.11	1.83	.24	.04	TRACE	.02	.16	TRACE	.01	.08	.04	4.02
74	1.40	.03	.38	TRACE	TRACE	.00	.60	.13	.00	.93	.40	.75	4.62
75	TRACE	.10	1.54	.39	.02	TRACE	.89	.04	.22	.02	TRACE	TRACE	3.22
MEAN													
S D													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OL A)  
 JUL 64

**EXTREME VALUES**  
 MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

ELLIS AFB TX STATION NAME

42-44, 49-81

YEARS

	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
76	.	.00	1.94	.03	.10	.39	.00	.94	.80	1.09	1.01	.07	.05	5.62
77	-	.43	TRACE	.23	TRACE	.64	.38	TRACE	.85	.14	.01	.08	1.16.	3.92
7	-	.82	1.52	1.75	.81	.22	.00	.07	.01	.20	.41	.65	.82	7.35
7	-	1.31	.07	1.34	.15	.14	TRACE	.47	2.44	TRACE	.00	TRACE	.00.	6.02
1	-	1.15	1.66	.36	.06	.03	.02	1.06	TRACE	.66	TRACE	.00	TRACE	5.90
1	-	. .	.10	1.36	.19	.40	.	.	.	.	.	.	.	.
MEAN	.	.433	.472	.423	.259	.149	.046	.381	.406	.326	.240	.393	.322	3.888
S D	.	.443	.530	.591	.590	.238	.098	.405	.658	.446	.336	.571	.458	1.972
TOTAL OBS	.	1056	988	1101	1080	1116	1050	1085	1085	1050	1054	1020	1054	1274

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC      FORM JUL 64      0-88-5 (OL A)

2

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

49-81

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	.02-.05	06-.10	.11-.25	26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	3.1	1.2	.2	.3		.1	.1	.1						.3	1009	.5	8.4	.0
FEB	9.1	.5	.1	.1	.1									.3	932	.1	2.2	.0
MAR	9.4	.5													1023	TRACE	TRACE	.0
APR	9.9	.1													990	TRACE	TRACE	.0
MAY	0.0														1023	.0	.0	.0
JUN	0.0														960	.0	.0	.0
JUL	0.0														992	.0	.0	.0
AUG	0.0														992	.0	.0	.0
SEP	0.0														960	.0	.0	.0
OCT	9.9	.1													992	TRACE	TRACE	.0
NOV	9.7	.7													960	TRACE	TRACE	.0
DEC	8.7	1.2		.1										.1	992	TRACE	1.2	.0
ANNUAL	9.9	.4	.2	.0	.0	.0	.0	.0						.1	11825	.6		

CLIMATOLOGY BRANCH  
 AFGLTAC  
 AF WEATHER SERVICE/MAC

# EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

2-112  
 STATION

WILLIS AFB TX  
 STATION NAME

43-21

YEARS

## 24 HOUR AMOUNTS IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48		*TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*TRACE
49		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50		TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
51		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52		.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.0	TRACE
53		.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
54		.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55		.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
56		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
58		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59		TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
60		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2
61		TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
62		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
65		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
66		.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
67		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
68		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69		TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
70		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71		TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
72		.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
73		TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
74		4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.0
75		.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
MEAN														
S D														
TOTAL OBS														

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
 JUL 64

0-88-5 (OL A)



FORM 0-58-5 (OL A)  
JUL 64

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFM 1-1  
 WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

412 WILLIS AFB TX  
 STATION

49-81

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
40	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	*TRACE
41	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.0	TRACE
44	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
45	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
46	.2	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2
47	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.2
52	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
56	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
62	.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
63	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
72	.0	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
73	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
74	6.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	8.4
75	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
MEAN													
S D													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
JUL 64

0-88-5 (OLA)

**EXTREME X VALUES**  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

2-12      WILLIS AFB NV  
STATION      STATION NAME

49-81

YEARS

## TOTAL MONTHLY SNOWFALL IN INCHES

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC      FORM JUL 64      0-88-5 (OL A)

2  
 JOINT CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

21112 WELLS AFB NV 42-44, 49-81

STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)												PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000		MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504				
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120				
JAN	9.7	.1	.1			.1								.2	1071		
FEB	9.0		.1											.1	989		
MAR	100.0														1104		
APR	100.0														1080		
MAY	100.0														1116		
JUN	100.0														1050		
JUL	100.0														1085		
AUG	100.0														1085		
SEP	100.0														1050		
OCT	100.0														1054		
NOV	100.0														1020		
DEC	9.9		.1											.1	1054		
ANNUAL	100.0	.2	.0			.0								.0	12758		

AL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

2-112  
STATION

WILLIS AFB NV  
STATION NAME

42-44, 49-81

YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42													
43													
44													
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
MEAN													
S.D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
JUL 64

0-88-5 (OLA)

## EXTREME VALUES

FROM DAILY OBSERVATIONS

42-44, 49-81 YEARS

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
JUL 64

0-88-5 (OL A)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \* 1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \* 2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

LOCAL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE / MAC

# EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

412  
STATION

ELLIS AFB TX  
STATION NAME

49-51, 59-81

YEARS

## DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
4		S	35SE *34N	20	SSW 35		WNW 29S	35SSW 39SW	35NW 45				
5	40W 51NW	39SW	49SW	43SW	49SW	48SE	42SW	43SW	43SSW	40NE	43WSW	31	WSW 51
6	S	44S	36NW	45W	47SW	44SSE	34WSW	56E	63NE	36S	33NE *40		
7										WNW 45E	38WNW	49	
8	NW	28WNW	51NW	44SSW	41NNE	42WNW	44SE	36E	45SE	35N	45SSW	38NW	38 NW 51
9	NNE	21NW	51WNW	50SW	44WNW	38SSW	32NW	40WNW	36S	37WNW	39SSE	38N	34 NW 51
10	NNE	42SSE	35WNW	52WNW	44SSW	39NNE	40SW	39WSW	34WNW	45SSW	40WNW	35NW	29 NW 52
11	SE	41S	37SSW	44SSE	42NW	44SSW	41SSW	40SE	53WSW	36SSW	39NNE	35SW	35 SE 53
12	SW	37WNW	51WNW	45WNW	42SW	42SSW	59SE	36SSE	38N	39SSE	32W	44NE	35 SSW 59
13	NW	54WNW	43NNE	38SSW	38WNW	48S	39S	*29S	37N	38S	32S	34SW	35 NW 54
14	W	*47	ENE	42NNE	46SSE	42WSW	38S	54S	33SE	51WNW	40S	34S	41
15	NW	40SSW	53W	42S	44S	41W	44SSE	37SW	49NNE	35NNE	43W	31NNE	44 SSW 53
16	SSW	33NNE	324NW	41NNW	46SSW	36SW	3720/	3724/	37 6/	3821/	34 2/	3722/	44 NNW 46
17	22/	3917/	4230/	4826/	5319/	3419/	43 5/	4013/	4319/	3436/	4531/	3435/	37 26/ 53
18	30/	4119/	3936/	4722/	5221/	4019/	4217/	43 3/	5019/	5231/	3917/	3721/	38 22/ 52
19	19/	4329/	4630/	4824/	4720/	5821/	45 2/	4835/	4729/	4619/	4021/	3422/	40 20/ 58
20	3/	46 3/	3422/	3531/	4229/	4323/	32 2/	51 6/	4931/	29 4/	4032/	3032/	42 2/ 51
21	3/	4217/	3320/	35 2/	50 5/	3918/	36 6/	3414/	40 5/	3731/	4731/	4030/	39 2/ 50
22	29/	4332/	4822/	5132/	4523/	4820/	43 3/	5826/	35 4/	3227/	4532/	26 3/	32 3/ 58
23	32/	4320/	4031/	5526/	4220/	4832/	3615/	4026/	31 4/	3221/	3724/	42 5/	37 31/ 55
24	3/	2627/	4722/	5029/	4810/	32 4/	3719/	3721/	3416/	32 5/	30 2/	3030/	28 22/ 50
25	16/	3221/	4625/	4331/	4022/	3818/	3120/	3733/	3621/	3529/	3324/	4023/	45 21/ 46
26	31/	3732/	3921/	3521/	4121/	4223/	3722/	36 3/	5821/	39 2/	2630/	29 2/	28 3/ 58
27	4/	2323/	3019/	3020/	3522*	4021/	39 2/	4117/	3422/	2920/	4729/	42 2/	34 27/ 47
28	19/	4420/	5336/	43 3/	4221/	4322/	3920/	61 2/	3717/	2630/	3724/	3518/	26 20/ 61
29	17/	32 2/	4327/	4522/	3922/	51							
MEAN	30.7	41.8	44.0	43.3	42.7	39.6	42.9	41.3	37.1	38.7	35.9	37.2	53.1
S.D.	8.166	7.095	6.147	5.136	5.336	6.035	8.037	8.805	6.469	5.566	4.647	6.105	4.170
TOTAL OBS	735	676	765	747	731	713	708	742	717	773	740	742	8789

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM  
JUL 64

0-88-5 (OL A)

5 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22112 WELLIS AFB NV 70.73-81 JA  
STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
0000-0200  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	.8	.4	.1	.1							5.2	3.5
NNE	4.2	1.8	.5		.4							7.0	4.3
NE	3.4	1.9	1.7	.3								7.4	4.7
ENE	2.5	1.8	1.1	.5								5.9	5.1
E	2.0	3.4	2.0	.4								8.2	5.5
ESE	1.9	.2	.1									2.2	2.5
SE	1.1			.1								1.2	2.8
SSE	.4	.2	.4	.6	.3	.3						2.4	11.5
S	1.4	.8	.9	1.0	.4	.2						4.6	8.7
SSW	.3	.5	.4	.5	.1							1.9	7.9
SW	1.1	.5	.1	.1								1.8	3.4
WSW	1.0	.3										1.3	2.4
W	1.9	.6	.2	.2								3.0	4.0
WNW	1.7	.4	.2		.6	.2						3.2	7.9
NW	1.2	.8	.1	.4	.5	.5						3.5	10.1
NNW	1.4	.5	.3	.1	.1	.1						2.6	5.1
VARBL													
CALM												38.7	
	29.4	14.7	8.6	4.5	2.7	1.4						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 70.73-81 YEARS JAN  
MONTH  
CLASS ALL WEATHER  
HOURS (L.S.T.) 0300-0500  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.4	.1	.1								4.6	3.1
NNE	5.5	1.6	.5	.6	.1	.1						8.5	4.3
NE	2.9	2.6	1.5	.6	.1							7.8	5.4
ENE	2.5	1.9	1.9	.3	.1							6.8	5.4
E	2.9	2.5	1.6									7.0	4.6
ESE	1.1	.3	.1									1.5	2.9
SE	.9	.6	.1			.1						1.6	5.3
SSE	.8		.3	.5	.2	.1						1.9	9.2
S	1.6	.4	.3	1.2	.6	.3						4.5	9.8
SSW	1.6	.6	.1	.1	.1							2.6	4.3
SW	1.8	.6	.2									2.7	3.2
WSW	.6											.6	1.7
W	1.4	.9	.2									2.4	3.3
WNW	1.2	.3	.1			.2						1.8	5.4
NW	2.5	1.1	.4	.5	1.0	.2						5.7	7.7
NNW	1.2	1.2	.1	.2	.2							2.9	5.6
VARBL													
CALM												77.0	
	31.3	16.0	7.8	4.3	2.5	1.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 VELLIS AFB NV 70.73-81 JAN  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
06JG-0800  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.6	.3	.2								5.3	3.7
NNE	2.3	1.6	.2	.2	.3	.4						5.6	6.3
NE	4.1	1.4	1.6	.5								7.6	4.9
ENE	3.3	1.8	2.2	.3								7.6	5.0
E	3.2	1.2	1.0									2.4	3.8
ESE	1.2	.4										1.6	2.7
SE	1.5	.5	.3									2.4	3.3
SSE	.9	.4	.4	.2	.3							2.3	7.0
S	1.0	.6	.5	.6	.1	.6						3.5	10.4
SSW	1.2	.4	.1									1.7	3.0
SW	1.7	.5	.1									2.4	2.6
WSW	.9	.3										1.2	2.3
W	1.4	.4	.1	.3								2.3	4.0
WNW	1.1	1.0		.2	.2							2.5	5.7
NW	2.6	1.0	.6	.4	.2	.1						4.9	5.7
NNW	1.2	.4	.2	.5								2.4	5.8
VARBL													
CALM												41.4	
	31.1	13.8	7.7	3.7	1.2	1.2						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

20112 NELLIS AFB NV 70.73-81 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 0900-1100  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.9	.3	.1	.1							2.5	4.8
NNE	.8	1.0	1.0	.5	.5	.5						4.3	10.1
NE	1.9	1.1	1.9	1.6	.2							6.8	7.6
ENE	1.1	1.5	2.6	.6								5.8	6.9
E	2.2	1.5	1.6									5.3	4.8
ESE	1.0	.2	.5	.1		.1						1.9	5.7
SE	1.2	.6	.5	.3	.1							2.8	5.6
SSE	.9	.2	.1	.1	.1							1.4	5.1
S	3.1	1.2	.9	.3	.1	.2	.1					5.9	5.7
SSW	3.2	2.3	.3	.3	.1		.1					6.3	4.5
SW	2.9	1.6	.2	.3								5.1	3.9
WSW	2.6	.2		.1	.1							3.2	3.3
W	.8	.9	.3			.1						2.0	5.1
WNW	1.1	.1	.1	.2	.1	.2	.1					1.9	8.7
NW	.8	.2	.4	.2	.3	.3	.1					2.4	11.2
NNW	.6	.4	.2				.1					1.4	6.1
VARBL													
CALM												41.2	
	25.2	13.8	11.1	4.9	1.8	1.5	.5					100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27112 NELLIS AFB NV 70.73-81 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1200-1400  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.4	.8	.1	.1							3.0	5.0
NNE	1.4	1.1	1.2	1.6	.5	.2						6.0	9.2
NE	1.1	1.5	3.0	3.0	.3		.1					9.0	9.2
ENE	1.2	2.8	4.4	1.6		.1	.1					10.2	8.0
E	2.4	3.8	3.3	.3								9.8	5.6
ESE	1.3	.9	.6	.3	.1							3.2	5.6
SE	1.4	.6	.4	.2	.1							2.8	5.4
SSE	1.2	.2		.1	.2							1.7	4.9
S	1.7	1.4	.4	.4	.6	.2						4.8	7.9
SSW	2.6	1.1	.1	.6								4.4	4.5
SW	2.3	1.0	.2	.4								3.9	4.2
WSW	1.8	.3	.1	.1								2.4	3.0
W	1.3	.9	.3	.2	.1							2.8	4.9
WNW	1.8	.5	.4		.2	.5						3.5	7.4
NW	1.5	.8	.3		.2	.6	.1					3.5	9.1
NNW	1.0	.2	.4									1.6	3.9
VARBL													
CALM												27.2	
	25.5	17.4	16.1	9.1	2.6	1.7	.3					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 70.73-81 YEARS JAN MONTH  
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.6	.5	.5	.1							2.9	6.4
NNE	.5	1.5	1.0	1.6	.2	.2						5.1	9.2
NE	1.5	3.4	4.1	1.9		.1						11.1	7.5
ENE	1.8	5.3	4.6	.8			.1					12.6	6.5
E	3.2	6.1	1.9									11.3	4.7
ESE	1.0	1.4	.6	.6								3.7	6.0
SE	.9	.6	.9	.1								2.5	5.3
SSE	1.2	.8	.3	.2	.6							3.1	7.4
S	2.7	1.1	.4	1.3	.6	.3						6.5	8.2
SSW	2.6	1.0	.3	.2	.1							4.2	4.3
SW	2.8	.9	.2	.2	.4							4.5	5.1
WSW	1.1	.8	.1	.2	.2							2.4	5.8
W	1.7	.4		.2	.1	.1						2.6	5.3
WNW	1.2	1.2		.2	.1							2.7	4.6
NW	.8	.5	.4	.1	.2	.4						2.5	9.7
NNW	.8	.1	.1		.1							1.1	4.4
VARBL													
CALM												21.5	
	24.7	25.7	15.6	8.3	2.9	1.2	.1					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 NELLIS AFB NV 70.73-81 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
1900-2000  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	2.3	.2	.1								7.0	3.2
NNE	5.7	5.3	2.4	.5	.2							14.1	4.8
NE	5.5	4.1	2.0	.6	.1							12.4	4.7
ENE	3.4	4.3	2.4	.8								10.9	5.2
E	3.5	3.8	2.0	.1								9.5	4.7
ESE	.6	.9	.2	.1								1.7	5.1
SE	1.0	.4	.3	.2								1.9	4.9
SSE	.4	.5	.6	.8	.4							2.8	9.9
S	.5	.8	1.1	1.7	.4							4.7	9.8
SSW	.6	.1	.2	.5	.1							1.6	7.7
SW	.6	.1	.1	.1	.1							1.1	6.2
WSW	.2	.2	.2									.6	4.7
W	.5	.2	.4									1.2	5.1
WNW	.1	.4	.1	.2		.2						1.1	9.9
NW	.8	.8	.4	.1	.2	.2						2.5	7.7
NNW	1.2	.9	.2		.1							2.4	4.6
VARBL													
CALM												24.6	
	29.5	24.8	13.0	5.9	1.7	.4						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

27112 STATION WELLIS AFB NV STATION NAME 70.73-81 YEARS JAN MONTH  
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.6	.4	.2								5.5	3.6
NNE	5.7	3.3	.8	.4	.3							10.5	4.3
NE	5.3	4.0	1.5	.9								11.6	4.6
ENE	2.9	2.7	1.8	.3								7.7	4.9
E	2.2	3.3	1.6									7.1	4.6
ESE	1.6	.4										2.0	2.7
SE	.6	.3	.1	.1								1.2	4.4
SSE	.3	.3	.3	.9	.3							2.2	10.5
S	1.5	.5	.5	1.4	.1							4.1	7.8
SSW	.4	1.0	.5	.2	.1							2.3	7.0
SW	1.3	.3	.1	.2								1.9	4.0
WSW	.9	.1										1.0	2.1
W	1.1	.5	.3	.2								2.2	4.7
WNW	.8	.6	.3	.1	.1	.1						2.0	6.5
NW	1.0	.5	.1	.2	.2	.3	.1					2.5	9.4
NNW	.8	.4	.2	.3								1.7	5.2
VARBL													
CALM												34.5	
	29.5	20.1	8.7	5.5	1.2	.4	.1					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 70.73-81 YEARS JAN MONTH ALL HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.2	.4	.2	.1							4.5	3.9
NNE	3.3	2.2	.9	.7	.3	.2						7.6	5.9
NE	3.2	2.5	2.2	1.2	.1	.0	.0					9.2	6.0
ENE	2.3	2.8	2.6	.7	.0	.0	.0					5.4	6.0
E	2.7	3.2	1.9	.1								7.9	4.9
ESE	1.2	.6	.3	.1	.0	.0						2.2	4.4
SE	1.0	.5	.3	.1	.0	.0						2.0	4.8
SSE	.9	.3	.3	.4	.3	.1						2.2	4.4
S	1.7	.8	.6	1.0	.4	.2	.0					4.8	6.4
SSW	1.6	.9	.3	.3	.1		.0					3.1	5.0
SW	1.8	.7	.2	.2	.1							2.9	4.0
WSW	1.1	.3	.1	.1	.0							1.6	3.4
W	1.3	.6	.2	.1	.0	.0						2.3	4.5
WNW	1.1	.6	.2	.1	.2	.2	.0					2.4	6.6
NW	1.4	.7	.4	.3	.4	.3	.0					3.4	8.5
NNW	1.0	.5	.2	.1	.1	.0	.0					2.0	5.1
VARBL													
CALM												33.3	
	24.3	18.3	11.1	5.8	2.1	1.1	.1					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV STATION NAME 70.73-81 YEARS FEB MONTH 0000-0200 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.0	1.3	.5								7.0	4.8
NNE	4.3	2.7	.4	.1	.2	.1						7.8	4.2
NE	2.7	3.5	2.1	.4	.4	.1						9.2	5.9
ENE	3.1	3.3	1.8	.1	.1							8.4	4.8
E	2.8	2.4	1.4									6.6	4.3
ESE	1.4	.7	.1									2.2	3.1
SE	.9	.5	.2	.2								1.9	5.1
SSE	.2		.2	.1	.1							.7	8.5
S	1.7	1.2	2.0	1.8	.7	.1						7.4	8.9
SSW	1.7	.8	.9	.2	.1	.1	.2					4.1	7.4
SW	1.5	.7	.4	.2	.1							3.0	4.9
WSW	.4	.1	.1									.6	3.4
W	.8	.6	.4	.1								1.9	4.8
WNW	1.7	.6	.5	.1								2.8	4.2
NW	1.2	.8	.4	.7	.5							3.5	8.2
NNW	2.2	.8	.7									3.8	3.8
VARIABLE													
CALM												29.0	
	29.8	20.8	12.9	4.6	2.2	.5	.2					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
A14 WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 WELLIS AFB NV 70.73-61 FEB  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 0300-2500  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.6	1.4	.6	.6								4.2	3.9
NNE	4.6	2.4	.6	.2	.2							9.0	4.2
NE	3.7	1.9	1.8	.7	.4	.2						8.6	6.1
ENE	1.9	3.1	2.7	.2								7.9	5.6
E	2.8	1.4	1.1									5.3	4.1
ESE	.9	.2	.5									1.7	4.3
SE	1.2	.4	.2	.2								2.3	4.7
SSE	.4	.4	.1	.4								1.2	6.8
S	1.7	.7	.7	2.0	.5	.2						5.8	9.1
SSW	.8	.4	.4	.6								2.1	6.3
SW	.7	.6	.7	.4								2.4	5.7
WSW	.9	.4	.1									1.4	3.2
W	1.1	.8	.2	.1								2.2	4.3
WNW	1.5	.4	.1	.2	.4							2.6	5.8
NW	2.1	.5	.4	.1	.8	.2	.1					4.3	6.5
NNW	1.4	.8	.5	.6								3.3	5.5
VARBL													
CALM												33.0	
	31.3	15.6	10.6	6.4	2.2	.7	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27112 STATION NELLIS AFB NV 70.73-81 YEARS FEB MONTH 0600-0800 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.4	.8	.6	.2							3.9	5.3
NNE	3.5	1.7	.4	.5	.4	.2						6.5	2.4
NE	2.5	2.7	1.5	.5		.1						6.6	5.7
ENE	2.6	2.1	1.1	.1								5.9	4.4
E	3.1	1.5	1.1	.2								5.9	4.4
ESE	.8	.4	.2									1.4	3.8
SE	.6		.2									.8	3.7
SSE	.7		.4	.4	.2							1.7	6.4
S	1.4	.2	1.1	2.0	.5	.4						5.6	10.2
SSW	.7	.4	.5	.6	.2							2.4	5.4
SW	1.9	.5			.1							2.5	3.0
WSW	.9	.5	.1									1.5	3.6
W	2.2	.5										2.7	2.3
WNW	.9	.8										1.8	3.6
NW	1.9	1.3	.5	.9	.5	.4						5.4	8.3
NNW	1.5	.5	.2	.2								2.5	4.1
VARBL													
CALM												40.8	
	28.3	13.7	8.0	6.0	2.1	1.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 246

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 WELLIS AFB NV 70.73-81 FLA  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.2	.7	.6	.5							3.1	8.6
NNE	.1	.6	1.3	1.7	1.1	.6	.1					5.9	13.3
NE	.5	1.2	2.7	2.1	.5	.1						6.4	10.0
ENE	1.4	1.3	2.4	1.3								6.4	7.1
E	2.4	2.0	2.2	.6								7.2	5.8
ESE	1.7	.8	1.1									3.5	4.7
SE	.8	.4	.7									1.9	5.1
SSE	.6	.2	.7	.6	.1							2.2	8.5
S	2.7	1.4	.4	2.1	1.3	.2	.1	.1				8.4	9.6
SSW	3.7	.9	.2	.7	.7	.4						6.6	6.7
SW	3.9	1.2	.2		.5	.2	.2					6.3	5.9
WSW	1.9	.2	.2	.1		.1						2.6	4.1
W	1.7	.2	.5									2.4	3.2
WNW	1.3	.2	.5	.1	.1	.1						2.4	6.1
NW	1.1	.5	.4	.6	.8	.1						3.4	9.5
NNW	1.5	.4	.2	.1								2.2	3.9
VARBL													
CALM												29.1	
	26.2	11.8	14.2	10.6	5.6	1.9	.5	.1				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION HELLIS AFB NV 70.73-81 YEARS FEB MONTH 1200-1400 HOURS (L.S.T.)  
ALL HEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.4	.6	.6	.5	.7	.1						3.9	6.4
NNE	.9	.8	1.1	2.2	.4	.6						6.0	11.2
NE	1.5	3.4	4.8	3.5	.9	.1						14.4	8.8
ENE	1.7	2.8	4.3	3.0								11.7	7.7
E	3.3	4.4	3.2	.5								11.3	5.5
ESE	1.8	2.1	1.9	.4	.1							6.3	6.0
SE	1.7	1.5	.7	.1								4.0	4.6
SSE	1.3	.5	.5	.5	.2							3.0	6.6
S	2.1	.8	.9	.8	.4	.1						5.2	6.8
SSW	1.3	.8	1.4	1.1	.9	.6	.4					6.5	11.7
SW	1.8	.2	.4	.9	.6	.2	.4					4.5	10.8
WSW	.7	.4	.2	.1	.4	.1						1.9	8.9
W	2.0	.7	.2	.1	.1	.1	.1					3.4	5.8
WNW	1.2	.2	.4	.4	.8	.2						3.2	14.2
NW	.7	.1	.1	.4	.5	.1	.1					2.0	11.7
NNW		.2	.2									.5	6.0
VARBL													
CALM												12.2	
	23.4	19.7	20.9	14.4	6.0	2.4	.9					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION WELLIS AFB NV 70.73-81 YEARS FEB MONTH  
1500-1700 HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	.6	.9	.2	.1						2.7	10.2
NNE	.6	.9	2.5	2.2	.5	.7						7.4	10.8
NE	1.3	3.0	5.3	1.3	.2							11.6	7.6
ENE	1.9	4.7	4.4	1.5	.2							12.8	6.8
E	3.3	6.4	3.4	.5								13.6	5.3
ESE	1.5	1.5	1.7	.5	.2							5.4	6.5
SE	1.5	1.1	1.4	.4								4.4	5.8
SSE	.9	.6	.6	.4								2.5	5.9
S	1.7	1.2	.4	1.1	.6	.2						5.1	8.4
SSW	2.0	.9	1.4	1.5	.7	.5	.2					7.3	10.2
SW	1.2	.8	.9	1.3	1.3	.4	.2					6.1	11.5
WSW	.9	.2	.4	.1	.1		.1					1.9	7.1
W	.6	.6	.2		.1			.1				1.7	7.5
WNW	.7	.5	.1	.5	.4							2.1	8.3
NW	.6	.2	.2	.9	.4	.2	.1					2.7	12.4
NNW	.4	.2		.1	.1	.1						.9	9.3
VARBL													
CALM												11.7	
	20.0	23.4	23.5	13.2	5.1	2.2	.7	.1				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 346

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 WELLIS AFB NV 70.73-81 FEB  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
1800-2400  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	2.2	1.3	.7	.5	.1						8.6	5.8
NNE	5.0	4.1	1.7	.5	.2	.1						11.6	5.0
NE	5.9	4.3	2.1	.7	.2							13.8	5.1
ENE	5.3	5.3	1.8	.5								12.5	4.6
E	2.4	2.8	1.1									6.3	4.2
ESE	.7	.7	.4	.1								1.9	4.9
SE	.5	.5	.6	.5	.1							2.1	7.6
SSE	.6	.8	.2	.4								2.0	6.2
S	.9	.7	2.1	3.0	.6	.2						7.6	10.5
SSW	.7	.5	1.3	1.1	.9	.5						5.0	11.8
SW	.8	.1	.2	.2	.7	.1						2.2	10.5
WSW	.4	.5										.8	3.9
W	.8	.2		.1								1.2	3.7
WNW	.2	.5	.1	.1								.9	5.3
NW	1.2	.5	.9	.7	.5		.1					3.9	8.9
NNW	.5	.2	.5		.4							1.5	8.3
VARBL													
CALM												18.0	
	29.7	24.2	14.3	8.5	4.1	1.1	.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 846



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV 70.73-81 YEARS FEB MONTH 2100-2300 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.5	.9	.7	.2							6.4	5.7
NNE	5.8	2.1	1.3	.6	.1	.2						10.2	4.8
NE	4.6	3.4	2.5	.2	.2							11.0	5.1
ENE	3.3	2.0	2.8	.7	.1							9.0	5.6
E	2.4	2.0	1.4	.1								5.9	4.5
ESE	1.2	.4	.4									1.9	3.7
SE	.6	.2	.2									1.1	4.1
SSE	.8	.2	.1	.6	.1							1.9	7.0
S	1.1	.6	1.9	3.9	.8	.1						8.4	11.1
SSW	.4	.8	.6	1.2	.4	.1	.2					3.7	11.7
SW	.8	.6	.4	.1	.1	.2						2.2	7.5
WSW	.7	.6		.1								1.4	3.8
W	.8	.2	.1	.1								1.3	4.4
WNW	.6	.4	.1		.2							1.3	6.1
NW	.9	1.4	.2	.2	.6	.1						3.5	7.6
NNW	.8	1.3	.1		.2							2.5	5.4
VARBL													
CALM												28.4	
	27.8	17.8	13.1	8.6	3.2	.8	.2					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 70.73-81 YEARS FEB MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	2.6	1.2	.9	.6	.3	.0						5.7	5.9
NNE	3.1	1.9	1.2	1.0	.4	.3	.0					7.9	6.8
NE	2.9	2.9	2.9	1.2	.4	.1						10.2	6.7
ENE	2.6	3.0	2.6	.9	.1							9.3	5.9
E	2.8	2.9	1.9	.2								7.8	4.9
ESE	1.3	.9	.8	.1	.0							3.0	5.2
SE	1.0	.6	.5	.2	.0							2.3	5.3
SSE	.7	.3	.4	.4	.1							1.9	7.1
S	1.7	.9	1.2	2.1	.7	.2	.0	.0				6.7	9.5
SSW	1.4	.7	.8	.9	.5	.3	.1					4.7	9.5
SW	1.6	.6	.4	.4	.4	.1	.1					3.6	7.9
WSW	.9	.4	.1	.1	.1	.0	.0					1.5	5.1
W	1.3	.5	.2	.1	.0	.0	.0	.0				2.1	4.5
WNW	1.0	.4	.2	.2	.2	.0						2.1	6.5
NW	1.2	.7	.4	.5	.6	.1	.1					3.6	9.1
NNW	1.0	.6	.3	.1	.1	.0						2.2	5.2
VARIABLE													
CALM												25.3	
	27.1	18.4	14.7	9.1	3.8	1.3	.4	.0				100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 6768

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27112 STATION NELLIS AFB NV 70.73-81 YEARS 4 APR MONTH 0000-0200 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	1.4	1.4	.6								7.6	4.6
NNE	3.7	2.6	1.2	.4	.4							8.3	5.4
NE	3.2	2.4	1.4	.4	.1							7.3	4.9
ENE	2.6	3.2	1.2									7.0	4.3
E	2.7	2.4	.6									5.7	3.9
ESE	.6	.6	.8									2.0	5.0
SE	1.2	.3	.4		.2							1.9	5.9
SSE	.9	.5	.4	.8	.2							2.8	7.7
S	1.7	1.0	3.4	2.6	1.2	.2						10.1	7.9
SSW	1.1	.4	1.4	2.3	.6	.5						6.3	11.3
SW	1.0	.8	.5	.4	.3	.1	.1	.1				3.3	9.3
WSW	.9	.3		.1								1.3	3.3
W	1.6	.1	.2	.1								2.0	3.7
WNW	.5	.5	.5	.5	.2							2.4	8.7
NW	1.0	.5	1.0	.9								3.3	7.6
NNW	.6	1.7	.2	.2								2.8	5.3
VARBL													
CALM												25.7	
	27.0	18.8	14.7	9.4	3.3	.9	.1	.1				100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION WELLIS AFB NV STATION NAME 70.73-81 YEARS MAF  
MONTH 0300-0500  
CLASS ALL WEATHER  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.5	1.0	.6	.1							8.0	4.5
NNE	3.9	2.5	.3	.6	.1							7.4	4.5
NE	3.8	3.7	1.2	.3	.2	.1						9.2	5.0
ENE	2.7	2.6	1.3	.3								6.9	4.7
E	2.8	1.5	.6									4.9	3.8
ESE	.0	.2										1.0	2.6
SE	.6	.5	.1									1.3	3.7
SSE	.4	.1	.4	.9	.6							2.5	11.6
S	1.1	.4	1.9	3.2	.9	.1						7.6	11.1
SSW	.6	.8	1.3	1.8	.9	.3	.1					5.8	11.9
SW	.8	.2	.3	.3	.1							1.7	6.5
WSW	1.0	.4	.1	.3								1.8	5.2
W	1.5	.5		.1	.2							2.4	4.6
WNW	1.9	.6	.4	.3	.3							3.7	5.9
NW	1.4	1.5	1.1	1.0	.2		.3					5.5	8.2
NNW	1.1	.4	.6	.4								2.6	5.9
VARB													
CALM												27.7	
	22.0	17.5	10.8	10.3	3.7	.5	.4					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV 70,73-81 YEARS MAP  
MONTH 0600-0800  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.1	.4	1.0								5.8	4.5
NNE	1.4	1.1	.9	1.1	.4							4.8	7.8
NE	2.3	2.3	1.2	.6	.2							6.3	5.8
ENE	1.7	2.9	1.8	.3								6.8	5.3
E	2.5	1.9	.5									4.9	3.8
ESE	.5	1.1	.2	.2								2.0	5.2
SE	1.2	.1	.3	.1								1.7	3.9
SSE	.6	.2	.2	.2	.3							1.6	8.1
S	1.6	.6	1.7	3.9	.4	.2						8.5	10.2
SSW	2.4	1.1	1.8	1.5	.6	.2	.1					7.7	8.6
SW	1.6	1.1	.4	.2	.1	.1						3.5	5.3
WSW	1.8	.1	.1	.1								2.2	3.0
W	1.2	.1	.4	.3	.2							2.3	6.8
WNW	1.0	.5	.8	.5	.3	.1						3.2	8.3
NW	1.0	1.1	.8	1.5	.2	.1	.2					4.8	9.8
NNW	1.4	.9	.5	.3								3.1	4.9
VARBL													
CALM												30.5	
	25.5	15.9	12.2	11.9	2.9	.8	.3					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

27112 STATION WELLIS AFB NV 70.73-81 YEARS MAR MONTH  
CLASS ALL WEATHER 0900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.0	.6	1.1	.4							4.9	7.2
NNE	.4	.3	1.3	2.4	1.4	.2						6.0	12.6
NE	1.4	1.5	3.8	3.2	.8		.1					10.8	9.6
ENE	1.5	1.7	2.5	1.4								7.1	7.1
E	2.5	2.7	1.8	.5								7.5	5.3
ESE	.9	1.0	.8									2.6	5.0
SE	1.3	1.1	.9	.3								3.5	5.1
SSE	1.1	.5	.6	.8	.3	.1						3.4	7.9
S	2.3	2.5	1.5	2.0	1.1	.8						10.1	9.5
SSW	2.8	1.2	1.2	1.9	.4	.2						7.7	8.0
SW	2.0	1.0	.5	.3	.2	.6	.2	.1				5.1	9.4
WSW	1.1	.3	.1	.3	.1	.2						2.2	7.9
W	1.0	.4	.8	.5		.1						2.3	7.3
WNW	.3	.3	.2	.6	.5	.2						2.3	12.5
NW	.9	.8	.1	.8	.3	.6	.1	.2				3.8	13.2
NNW	.1	.2	.1	.1		.2						.8	11.7
VARBL													
CALM												19.5	
	21.3	16.5	16.8	16.3	5.6	3.3	.4	.3				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27112 STATION NELLIS AFB NV 70.73-81 YEARS MAR MONTH  
1200-1400 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.4	.3	1.2	.4		.1					3.2	10.8
NNE	1.4	2.0	1.4	1.8	1.4		.1					8.2	9.6
NE	1.6	2.7	2.6	3.0	.3							10.2	8.2
ENE	1.8	2.5	2.3	1.7								8.3	6.9
E	3.5	3.3	3.0	.6								10.5	5.6
ESE	2.2	2.5	1.9	.2								6.8	5.1
SE	1.6	1.3	1.1	.5								4.5	5.7
SSE	.9	.8	1.3	1.4	.2							4.5	8.5
S	1.0	1.7	.5	2.3	.9	.2						6.6	10.3
SSW	.8	2.4	1.2	2.2	.8	.4	.1					7.7	10.5
SW	1.4	1.8	1.2	1.1	1.9	.3	.3	.1				8.2	11.6
WSW	1.0	.8	.6	.6	.3	.3	.3					4.0	10.8
W	.6	1.2	1.3	1.2	.2	.1						4.6	9.1
WNW	.5	.3	1.0	.9	.4	.1						3.2	10.2
NW	.4	.2	.8	.4	.1	.2	.1					2.3	11.0
NNW	.8	.4	.1	.1	.1	.1						1.6	6.7
VARBL													
CALM												5.6	
	20.2	24.3	20.5	19.2	7.1	1.8	1.1	.1				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 70.73-81 YEARS MAP  
MONTH 1500-1700  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3		.5	1.1	.2	.3	.1					2.6	13.6
NNE	.4	1.1	1.4	2.3	1.3							6.5	11.1
NE	1.8	2.4	1.9	1.5	.5							8.2	7.4
ENE	1.6	3.1	3.0	1.1								8.8	6.6
E	1.5	4.5	3.0	.5								9.6	6.1
ESE	1.4	1.8	2.6	.9								6.7	6.6
SE	1.1	1.9	2.0	1.6	.2							6.9	7.9
SSE	1.4	.9	.3	1.4	.5							4.5	8.4
S	1.9	1.8	1.7	2.8	1.2							9.5	9.3
SSW	1.3	1.3	1.2	2.7	1.3							7.7	10.5
SW	.8	1.2	1.4	1.5	1.3	1.0		.2				7.3	13.1
WSW	.2	1.3	.5	.6	.1	.6						3.4	11.1
W	.5	.4	1.2	.6	.6	.2	.1					3.8	11.1
WNW	.2	.4	.5	1.3	.8	.2						3.4	12.5
NW	.2	.5	.3	1.3	.9		.1					3.3	13.0
NNW	.2		.2	.2			.1					.8	11.3
VARBL													
CALM												7.1	
	14.9	22.7	21.9	21.4	8.9	2.4	.4	.2				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION WELLS AFB NV 70.73-81 YEARS  
ALL WEATHER CLASS  
CONDITION  
MAP MONTH 1900-2000 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.3	.9	1.0	.1	.3	.1					7.3	6.8
NNE	3.5	2.9	1.4	1.0	.3	.1	.2					9.5	6.5
NE	3.0	5.1	1.8	1.2	.1							11.2	5.7
ENE	2.8	3.7	1.0	.3								7.7	4.7
E	2.0	2.6	.8	.6								6.0	5.2
ESE	1.3	1.8	.5	.3								4.0	5.2
SE	1.5	2.0	1.2	1.0	.1							5.8	6.3
SSE	.4	1.3	1.5	1.0	.4							4.6	9.0
S	2.3	3.0	3.2	3.5	1.0	.1						13.1	6.8
SSW	1.6	1.3	1.9	1.2	.4							6.5	7.9
SW	.3	1.4	.9	.9	.6	.2	.1					4.4	10.3
WSW	.2	.3	.4	.2	.3							1.5	10.4
W	.2	.8	.8	.3	.1	.1						2.3	8.7
WNW	.5	.9	.8	.2	.1							2.5	6.8
NW	1.0	.4	.2	1.2	.1	.1						3.0	8.6
NNW	.3	1.0	.3	.4	.1							2.2	7.4
VARBL													
CALM												8.5	
	23.8	30.6	17.5	14.3	3.9	1.0	.4					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

27112 STATION NELLIS AFB NV STATION NAME 70.73-81 YEARS MAR MONTH 2100-2300 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.6	2.0	.4	.9	.6		.1					8.7	2.6
NNE	4.1	2.9	1.6	1.2	.2	.3	.1					10.4	6.4
NE	4.1	3.0	1.7	.5	.2							9.6	5.1
ENE	1.7	2.7	1.6	.3		.1						6.5	3.6
E	1.8	1.7	.5	.2								4.3	4.5
ESE	1.3	.4	.2									1.9	3.4
SE	.4	1.3	.1	.1	.1							2.0	5.6
SSE	.6	.4	.5	.5	.4	.2	.1					2.9	11.0
S	1.7	2.0	3.3	4.2	.6							11.5	9.6
SSW	.8	1.5	1.4	1.1	.6	.1						5.5	9.4
SW	1.2	1.1	.9	.6	.3							4.1	7.5
WSW	.5	1.3	.3	.2	.1							2.5	5.8
W	.9	.5	.2		.1							1.7	4.7
WNW	.6	.9	.3	.3								2.3	5.8
NW	1.7	1.0	.3	.3	.2	.3	.1					4.0	7.5
NNW	1.2	.9		.4								2.5	5.1
VARBL													
CALM												19.7	
	27.0	23.7	13.5	11.0	3.7	1.1	.4					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

27112 NELLIS AFB NV 70,73-81 MAC  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.2	.7	.9	.2	.1	.1					6.3	6.3
NNE	2.4	1.9	1.2	1.3	.7	.1	.1					7.6	7.7
NE	2.6	2.8	1.9	1.4	.3	.0	.0					9.1	6.6
ENE	2.1	2.8	1.8	.7		.0						7.4	5.7
E	2.4	2.6	1.4	.3								6.7	5.0
ESE	1.1	1.2	.0	.2								3.4	5.3
SE	1.1	1.1	.8	.5	.1							3.5	6.1
SSE	.8	.6	.7	.9	.4	.0	.0					3.4	6.9
S	1.6	1.6	2.2	3.1	.9	.2						9.6	9.7
SSW	1.4	1.2	1.4	1.8	.7	.2	.0					6.9	9.7
SW	1.1	1.1	.8	.7	.6	.3	.1	.1				4.7	10.0
WSW	.8	.6	.3	.3	.1	.1	.0					2.4	7.9
W	.9	.5	.6	.4	.2	.1	.0					2.7	7.6
WNW	.7	.6	.6	.6	.3	.1						2.9	8.9
NW	.9	.8	.6	.9	.3	.2	.1	.0				3.7	9.7
NNW	.7	.7	.3	.3	.2	.0	.0					2.0	6.3
VARBL													
CALM												18.0	
	23.6	21.2	16.0	14.2	4.9	1.5	.5	.1				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22112 STATION NELLIS AFB NV STATION NAME 70,73-81 YEARS APR MONTH 0000-0200 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.8	.3	.2	.2	.1						5.9	4.7
NNE	3.4	2.2	.6	.9	.8	.1						3.0	6.4
NE	4.6	2.6	1.1	1.1	.2							9.6	5.4
ENE	2.1	2.3	.9	.3	.1							5.8	5.0
E	2.0	1.9	1.2	.1								5.2	4.6
ESE	.8	.2										1.0	2.8
SE	.4	.2	.1									.8	4.0
SSE	.9	.4	.2	.3								1.9	5.1
S	1.1	1.9	3.4	5.0	1.2							12.7	10.4
SSW	1.1	2.2	3.3	2.6	.4	.2	.1					13.0	9.6
SW	1.3	1.3	.8	.8	.3							4.6	7.1
WSW	.6	.4	.3	.2								1.6	6.1
W	1.2	1.0	.1	.3	.1							2.8	5.6
WNW	1.1	.6	.1	.8	.2							2.8	7.6
NW	1.2	.7	.3	1.2	.3	.2						4.0	9.4
NNW	.6	1.0	.8	.2	.1							2.7	6.9
VARBL													
CALM												20.9	
	25.7	20.9	13.7	14.1	4.1	.7	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

27112 STATION NELLIS AFB NV 70.73-81 YEARS APP MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.6	.6	.3	.1							0.9	4.1
NNE	4.2	3.0	.6	.4	.3	.3						5.9	5.4
NE	3.7	2.9	1.8	.4								8.8	4.7
ENE	3.1	1.9	.3	.3								5.7	4.1
E	2.2	1.6	1.1	.1								5.0	4.6
ESE	.8	.3										1.1	2.7
SE	.6	.2	.1									.9	3.4
SSE	.4	.2	.3	.2	.1							1.3	7.3
S	1.2	1.6	3.7	4.6	.9							11.9	10.1
SSW	.7	1.7	1.6	1.8	1.0	.3	.2					7.2	11.3
SW	1.6	1.4	.4	.7	.1							4.2	5.8
WSW	.3	.6	.1	.1								1.1	6.1
W	1.6	1.1	.3	.3								3.3	4.8
WNW	1.2	.7	.1	1.0	.4	.1	.1					3.7	9.4
NW	1.1	.8	.6	1.4	.7							4.6	9.5
NNW	.9	1.1	.9	.2								3.1	5.6
VARBL													
CALM												22.3	
	26.9	21.6	12.4	12.0	3.7	.8	.3					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27112 STATION HELLIS AFB NV 70.73-81 YEARS APR MONTH  
CLASS ALL WEATHER  
HOURS (L.B.T.) 0600-2800

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.8	.6	.4	.3	.1						3.5	7.3
NNE	1.2	.9	.7	1.8	.2	.6	.1					5.5	10.4
NE	2.4	.9	1.7	1.2	.3							6.6	6.6
ENE	2.7	1.3	.9	.2								5.1	4.7
E	2.0	2.2	.4	.1								4.8	4.4
ESE	1.0	.4		.1								1.6	3.7
SE	.7	.2	.3	.1								1.3	5.4
SSE	.7	.7	.4	.2	.2							2.2	6.7
S	2.0	1.0	1.6	4.7	1.2	.3						10.8	10.7
SSW	2.3	2.2	1.3	2.1	.9	.6						9.5	8.9
SW	3.1	1.4	.8	.1	.3	.2						6.0	5.7
WSW	1.1	.4	.2									1.8	3.3
W	1.7	.4	.3	.1								2.6	3.8
WNW	.7	.8	.3	1.0	1.0							3.8	11.1
NW	.8	1.0	.7	1.6	.6	.3						4.9	11.0
NNW	.7	.6	.1	.4	.1							1.9	6.8
VARBL													
CALM												28.3	
	24.3	15.4	10.4	14.3	5.2	2.1	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV 70.73-81 YEARS APP MONTH 0900-1100 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.1	.6	1.1	.3							3.3	9.7
NNE	.7	1.6	2.0	2.3	1.2	.1	.1	.1				8.1	11.4
NE	1.4	1.9	3.9	4.0	.3	.1						11.7	9.5
ENE	.8	2.8	3.6	.8								7.9	7.0
E	2.0	5.2	2.2	.1								9.6	5.2
ESE	2.1	2.0	1.3	.1	.1							5.7	5.3
SE	1.3	1.8	.7	.3	.1							4.2	5.8
SSE	1.0	.7	.6	.4	.2							2.9	6.7
S	1.6	1.7	.2	2.6	.9	.8	.2					7.9	11.5
SSW	1.8	1.9	1.6	3.3	1.0	.9	.4					10.9	11.5
SW	2.1	.7	.8	.7	.3	.3	.1					5.0	8.2
WSW	1.0	.4	.4	.1	.2	.1						2.3	6.7
W	.9	1.0	.9	.2	.4							3.4	7.5
WNW	.4	.3	.3	.4	.7	.3						2.6	12.6
NW	.4	.3	.3	.6	1.1	.3						3.1	13.8
NNW	.4	.3	.2	.2	.2	.1						1.6	9.6
VARBL													
CALM												9.9	
	19.0	22.7	19.8	17.3	7.2	3.1	.9	.1				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV STATION NAME 70.73-81 YEARS APR MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.8	.2	.4	.2							2.6	6.7
NNE	.8	1.2	.6	.9	.3	.3	.1					4.2	9.7
NE	1.0	1.2	2.0	1.6		.4						6.2	9.1
ENE	.4	1.7	2.4	.8	.2							5.6	8.2
E	2.0	3.3	2.3	1.1								8.8	6.1
ESE	1.8	2.9	2.1	.4	.1							7.3	6.1
SE	1.2	2.4	1.0	.8	.2							5.7	6.3
SSE	1.3	2.2	1.1	1.0	.4	.1						6.2	7.6
S	1.9	2.6	2.3	2.3	1.0	.1	.1	.1				10.4	9.2
SSW	1.3	1.4	1.3	2.4	1.9	.8	.2	.2				9.8	12.7
SW	1.2	2.1	1.8	2.1	1.9	.6	.4	.1				10.2	11.9
WSW	.6	1.0	.7	1.0	.2	.2	.1					3.8	10.2
W	.8	.9	1.2	1.0	.1							4.0	8.3
WNW	.9	1.0	.9	.9	.7	.2						4.6	9.6
NW	.6	.6	.3	1.9	1.2	.3						4.9	13.1
NNW	.3	.4	.3	.4		.1						1.7	8.9
VARBL													
CALM												4.1	
	17.0	25.9	20.7	19.1	8.6	3.2	1.0	.4				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27112 STATION NELLIS AFB NV 70.73-81 YEARS APR MONTH 1500-1700 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.1	.6	.1	.4							1.7	10.1
NNE	.9	.6	.9	1.2	.6		.1					4.2	10.5
NE	1.4	1.6	2.1	.9	.1	.2	.1					6.4	7.9
ENE	.8	2.4	1.9	.7								5.6	6.6
E	1.2	3.4	2.0	.7								7.3	6.2
ESE	1.2	2.4	3.3	.9	.1							8.0	7.1
SE	.8	2.0	2.2	.9	.1							6.0	7.2
SSE	1.3	1.8	1.0	.9	.4							5.4	7.2
S	1.2	1.4	2.3	2.6	.6	.2	.1					8.4	10.0
SSW	1.4	1.7	1.8	3.9	1.7	.6	.1	.2				11.3	12.1
SW	1.2	1.7	1.3	5.1	1.4	1.0						11.8	12.4
WSW	.4	.6	.6	2.0	1.1	.3	.4					5.4	14.6
W	.7	.9	.6	.4	.3	.2						3.1	8.9
WNW	.6	.9	.7	1.2	.6	.3						4.2	10.7
NW	.4	.1	.3	1.2	.3	.8	.3					3.6	16.0
NNW	.2	.4	.4	.4	.4	.1						2.1	11.0
VARBL													
CALM												5.1	
	14.3	22.0	22.0	23.1	8.2	3.8	1.2	.2				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 70.73-81 YEARS APR MONTH 1800-2000 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.8	1.0	.7								5.1	5.8
NNE	2.1	2.3	1.8	1.1	.3		.1					7.8	7.2
NE	2.2	2.9	.7	.7	.2	.1						6.8	5.8
ENE	2.0	2.8	1.0	.2	.1							6.1	5.0
E	2.7	3.4	.6	.1								6.8	4.2
ESE	1.6	2.1	1.7	.1	.1							5.6	5.7
SE	1.0	.8	1.0	.6								3.3	6.6
SSE	.6	.9	1.4	1.6								4.4	8.7
S	2.0	4.6	4.0	2.8	.6	.2	.2					14.3	8.4
SSW	1.2	2.4	3.0	2.1	.3	.1	.3					9.6	9.3
SW	.9	1.0	2.3	2.3	1.2	.2	.1					8.1	11.0
WSW	.2	.6	1.8	1.1	.1	.1	.1					4.0	10.3
W	.8	1.1	.7	.7								3.2	7.1
WNW	.2	1.1	.4	.7	.6		.1					3.1	10.8
NW	.2	.4	.9	.9	.3	.2						3.0	11.3
NNW	.4	.4	.6	.4	.1	.1	.1					2.2	9.4
VARBL													
CALM												6.5	
	19.8	28.7	22.8	16.0	4.0	1.1	1.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 699

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV 70.73-81 YEARS  
APR MONTH  
2100-2300 HOURS [L.S.T.]  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.6	1.1	.4								7.8	4.9
NNE	3.6	3.0	1.1	1.2	.3	.1	.1					9.4	6.4
NE	2.8	3.2	1.1	.2	.3	.2						7.9	5.9
ENE	1.6	1.7	.2	.3	.1							3.9	5.1
E	1.7	1.9	.8									4.3	4.7
ESE	.8	.8	.1									1.7	3.7
SE	1.3	.6	.1									2.0	3.3
SSE	1.0		.6	.2	.1	.1						2.0	7.1
S	1.9	3.0	5.0	2.6	.4	.2	.1					13.2	8.5
SSW	1.1	2.4	2.6	2.3	.3		.1					8.9	8.8
SW	1.7	2.8	1.2	.8	.1		.1					6.7	6.6
WSW	1.2	.8	.7	.7	.1	.1						3.6	7.3
W	.4	1.0	.3	.7								2.4	7.0
WNW	.6	.6	1.0	.9	.2	.2	.1					3.6	10.8
NW	.8	.3	1.3	.6	.3	.1						3.4	9.1
NNW	.6	.8	.7									2.0	5.3
VARBL													
CALM												17.2	
	23.6	26.3	17.9	10.9	2.4	1.1	.6					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV STATION NAME 70.73-81 YEARS APR MONTH ALL HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.4	.6	.5	.2	.0						4.6	5.9
NNE	2.1	1.8	1.0	1.2	.5	.2	.1	.0				7.0	8.0
NE	2.4	2.1	1.3	1.3	.2	.1	.0					8.0	6.9
ENE	1.7	2.1	1.4	.5	.1							5.7	5.8
E	2.0	2.9	1.3	.3								6.5	5.1
ESE	1.3	1.4	1.1	.2	.1							4.0	5.7
SE	.9	1.0	.7	.3	.1							3.0	6.0
SSE	.9	.9	.7	.6	.2	.0						3.3	7.3
S	1.6	2.2	2.8	3.4	.8	.2	.1	.0				11.2	9.7
SSW	1.4	2.0	2.1	2.6	.9	.4	.2	.1				9.6	10.6
SW	1.6	1.6	1.2	1.6	.7	.3	.1	.0				7.1	9.4
WSW	.7	.6	.6	.7	.2	.1	.1					2.9	9.5
W	1.0	.9	.6	.5	.1	.0						3.1	6.7
WNW	.7	.7	.5	.9	.5	.2	.0					3.5	10.3
NW	.7	.5	.6	1.2	.6	.3	.0					3.9	11.6
NNW	.5	.6	.5	.3	.1	.1	.0					2.2	7.7
VARBL													
CALM												14.3	
	21.3	22.9	17.5	15.9	5.4	2.0	.7	.1				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 7197

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 70.73-81 YEARS MAY MONTH  
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	1.4	.3	.3	.3	.1						6.8	4.7
NNE	2.8	2.9	.4	.6	.6	.2						7.6	6.4
NE	4.1	2.2	1.2	.5	.2							8.2	5.0
ENE	2.8	2.4	.9	.2								6.2	4.3
E	1.7	2.5	1.2									5.4	4.6
ESE	.5	.4	.2	.1								1.3	4.9
SE	.9	.5	.1									1.5	3.1
SSE	.6	.2	.6	.4	.1							2.0	7.6
S	1.7	1.7	5.2	4.6	1.4	.8						15.4	10.4
SSW	2.3	3.2	3.8	2.4	.6	.1	.2					12.6	8.5
SW	1.5	2.2	.9	.4		.1	.2					5.3	6.9
WSW	.6	.6	.3	.1				.1				1.8	6.6
W	.8	.3		.2								1.3	4.8
WNW	.9	.5	.2	.2		.2						2.0	6.8
NW	.5	.2	.4	.1	.1							1.4	6.8
NNW	1.3	.1	.3	.3	.1							2.2	5.7
VARBL													
CALM												19.0	
	27.3	21.4	16.0	10.6	3.5	1.5	.4	.1				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 70.73-81 YEARS MAY  
CLASS ALL WEATHER MONTH 2300-0500  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	1.6	.9	.1	.2	.1						7.0	4.5
NNE	3.9	2.4	.4	.5	.3	.1						7.6	4.9
NE	4.3	3.3	1.0	.4	.2	.1						9.4	5.0
ENE	3.2	2.4	1.0	.1								6.7	4.1
E	2.8	2.8	1.0	.2								6.8	4.5
ESE	.9	.5	.2									1.6	4.1
SE	.6	.4	.5	.1								1.7	5.3
SSE	.4	.1	.8	.1	.1							1.5	7.6
S	1.3	1.9	5.1	2.5	1.3	.3						12.4	9.8
SSW	.0	1.2	2.0	2.8	.5	.2						7.6	10.3
SW	1.0	1.3	.5		.1	.4						3.3	8.0
WSW	.5	.9	.2									1.6	4.2
W	1.2	.8		.1								2.0	3.3
WNW	1.2	.9		.2								2.3	4.0
NW	1.4	1.0		.3	.2	.1						3.0	6.0
NNW	1.8	.3	.2	.1								2.5	3.5
VARBL													
CALM												23.0	
	29.5	21.7	13.8	7.6	3.0	1.4						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 23112 WELLIS AFB NV STATION NAME 70.73-81 YEARS MAY  
CLASS ALL WEATHER MONTH 0600-0800  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.4	.3	.6	.2	.1						2.6	8.3
NNE	1.4	.9	.9	1.9	.3	.2						5.5	9.4
NE	1.7	1.6	2.2	1.2	.3							7.0	7.3
ENE	1.9	1.2	1.3	.6								4.9	5.8
E	2.8	2.7	1.3									6.8	4.4
ESE	.8	1.3	.5	.2								2.8	5.5
SE	.8	.9	.3	.2								2.2	5.2
SSE	1.1	.3	.3	.2								1.9	5.2
S	1.9	1.3	2.0	3.1	2.3	.6	.1					11.4	11.4
SSW	3.9	1.0	1.6	2.5	.6	.4						10.0	8.2
SW	2.3	1.4	.3	.3		.1						4.4	4.9
WSW	1.4	.8	.1			.1	.1					2.5	5.3
W	.9	.4	.3	.2								1.8	5.0
WNW	1.0	.4	.3	.3	.1							2.2	6.5
NW	1.0	.5	.2	.1	.3	.1	.1					2.4	8.7
NNW	.3	.5	.2	.1	.1							1.3	6.8
VABBL													
CALM												30.4	
	23.8	15.5	12.3	11.7	4.3	1.7	.3					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

2012 STATION NELLIS AFB NV STATION NAME 70.73-81 YEARS 4 MONTH MAY  
CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.8	.3	.2								2.2	4.0
NNE	1.1	1.1	1.7	2.2	.3	.4						5.8	10.3
NE	1.5	1.6	2.9	3.0	.5	.1						9.7	9.5
ENE	1.3	1.7	2.7	1.5								7.2	7.4
E	2.2	3.5	3.3	.3								9.4	5.6
ESE	1.5	2.3	1.2	.2		.1						5.3	5.8
SE	1.1	1.8	1.9	.4								5.3	6.3
SSE	.9	1.6	.9	.4	.1							3.9	6.4
S	2.8	3.8	2.5	2.9	1.3	.4	.1					13.8	8.7
SSW	2.5	2.4	1.2	2.4	1.4	.6	.3		.1			10.9	10.5
SW	2.3	1.1	.4	.9	.6	.3						5.6	8.1
WSW	1.2	.4	.2	.5		.1						2.5	6.2
W	1.7	.4	.8	.2								3.1	5.0
WNW	.6	.2	.3	.4	.3							1.9	8.6
NW	.5	.2		.2	.2	.1						1.3	9.0
NNW	.3	.1	.1			.1						.6	7.7
VARBL													
CALM												10.8	
	22.3	23.0	20.4	15.8	4.8	2.4	.4		.1			100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 70.73-81 YEARS MAY MONTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.4	.4	.1	.1							1.9	5.9
NNE	1.2	.2	1.0	1.1	.2							3.4	8.7
NE	.9	1.3	1.5	1.6	.4							5.7	9.2
ENE	1.1	1.3	1.2	.5								4.6	6.2
E	1.1	3.2	2.3	.4								7.0	6.2
ESE	1.5	2.2	1.4	.5								5.9	5.7
SE	1.5	1.6	1.4	.5	.1							5.2	6.4
SSE	.4	1.4	1.5	1.0								4.3	7.7
S	3.0	3.2	3.4	3.0	1.0	.2	.1					14.0	8.4
SSW	1.8	2.5	3.2	2.9	1.8	.8	.2					13.2	10.7
SW	1.8	3.0	1.6	3.5	2.0	.9	.2					13.1	11.1
WSW	1.2	1.3	.8	1.8	.3							5.4	8.6
W	1.2	1.5	.9	1.1	.2							4.8	7.4
WNW	1.0	.6	1.1	.4								3.1	6.8
NW	.4	.5	.1	.6	.2							1.9	8.7
NNW	.2	.4		.1		.1						1.0	6.6
VARBL													
CALM												5.4	
	19.4	25.3	21.7	19.4	6.5	1.9	.5					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2.112 STATION YELLIS AFB NV 70.73-81 MAY MONTH  
1500-1700 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	.3	.1								1.4	5.9
NNE	1.1	.5	.5	.8	.4							3.3	8.2
NE	.8	.9	1.0	1.2	.2		.1					4.1	9.1
ENE	.5	1.0	1.0	.3								2.8	6.5
E	1.7	2.0	1.9	.4								6.1	5.9
ESE	.8	1.9	1.6	.4	.1							4.8	6.8
SE	1.5	1.7	1.8	1.0	.2							6.2	7.0
SSE	1.5	1.6	1.5	1.1	.2							5.9	6.8
S	1.5	3.1	2.8	2.3	.5	.4	.1					10.6	9.0
SSW	1.7	1.8	3.9	4.2	1.9	1.1	.1					14.8	11.5
SW	2.3	1.3	3.4	5.4	2.2	1.1	.4	.1				16.2	12.4
WSW	1.2	.6	1.1	1.2	.6	.1						4.8	9.7
W	1.8	1.4	1.4	1.2	.2							6.0	7.1
WNW	.4	.5	.4	.4	.1	.1						2.0	8.8
NW	.8	.4	.5	1.3	.2	.2	.1					3.6	11.0
NNW	.4	.8		.2	.2							1.6	6.6
VARBL													
CALM												5.4	
	18.2	20.5	23.3	21.4	7.2	3.0	.9	.1				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 70.73-81 YEARS MAY MONTH 1800-2000 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.1	.9	.6	.2								2.8	5.7
NNE	1.5	1.2	.4	.5	.5							4.2	7.2
NE	1.3	.6	.9	1.3	.1							4.2	7.9
ENE	.9	1.6	1.0	.3		.1						3.9	6.1
E	1.7	1.9	.9	.3								4.9	5.2
ESE	1.0	1.9	2.3	.4	.1							5.7	6.7
SE	1.2	2.0	1.5	.4								5.2	6.2
SSE	1.4	1.5	1.6	2.7	.3							7.6	8.7
S	3.5	4.4	4.1	2.0	1.1							15.1	7.5
SSW	2.6	3.2	4.2	2.7	1.5	.8						14.8	9.4
SW	1.4	1.2	2.5	3.8	1.4	.6						10.9	11.3
WSW	.5	.3	1.2	.5	.1							2.7	7.9
W	1.3	.8	1.1	.4	.1							3.7	6.2
WNW	.3	.4	.3	.2	.2	.2						1.7	9.5
NW	.5	.2	.9	.3	.1		.1					2.2	8.9
NNW	.5	.1	.2	.1								1.0	4.7
VARBL													
CALM												9.6	
	20.7	22.4	23.8	16.4	5.6	1.7	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 70.73-81 YEARS MAY  
MONTH  
CLASS ALL WEATHER  
HOURS (L.S.T.) 2100-2300  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.7	2.2	.3	.2	.2							4.6	4.9
NNE	2.5	2.5	.8	.9	.2							6.8	5.9
NE	2.6	2.4	1.2	1.4	.3							7.9	6.6
ENE	1.6	1.5	.9	.5	.1							4.6	5.7
E	1.2	1.4	.5	.1								3.2	4.5
ESE	.6	.3	.3			.1						1.4	5.6
SE	.5	.4	.3	.1								1.4	5.2
SSE	.4	.3	.6	.5								1.9	7.7
S	2.7	5.0	6.8	2.6	1.1	.6						18.8	8.5
SSW	3.3	3.3	3.8	2.6	1.1	.2						14.3	8.1
SW	1.6	2.2	.6	1.1	.8	.2	.3					6.8	9.2
WSW	1.6	1.0	.2	.2								3.0	4.5
W	1.3	.4	.3	.2								2.3	4.7
WNW	1.0	.4	.5	.1		.2						2.3	7.1
NW	.6	.2	.2	.2	.1							1.4	6.3
NNW	1.1	.8	.2	.3		.1						2.5	5.9
VARBL													
CALM												15.7	
	24.5	24.3	17.7	11.1	3.9	1.5	.3					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 70.73-81 YEARS MAY  
MONTH ALL  
HOURS (L.S.T.) ALL  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0	.4	.2	.1	.0						3.7	5.2
NNE	1.9	1.4	.8	1.1	.4	.1						5.7	7.4
NE	2.1	1.7	1.5	1.3	.3	.0	.0					7.0	7.2
ENE	1.7	1.7	1.2	.5	.0	.0						5.1	5.7
E	1.9	2.5	1.5	.2								6.2	5.2
ESE	1.0	1.4	1.0	.2	.0	.0						3.6	5.9
SE	1.0	1.2	1.0	.3	.0							3.6	6.1
SSE	.8	.9	1.0	.8	.1							3.6	7.4
S	2.3	3.1	4.0	2.9	1.2	.4	.1					13.9	9.1
SSW	2.4	2.3	2.9	2.8	1.2	.5	.1		.0			12.3	9.6
SW	1.8	1.7	1.3	1.9	.9	.5	.1	.0				8.2	10.1
WSW	1.0	.7	.5	.6	.1	.0	.0	.0				3.0	7.2
W	1.3	.8	.6	.5	.1							3.1	6.0
WNW	.8	.5	.4	.3	.1	.1						2.2	7.1
NW	.7	.4	.3	.4	.2	.1	.0					2.1	8.4
NNW	.8	.4	.2	.2	.1	.0						1.6	5.6
VARBL													
CALM												15.0	
	23.2	21.8	18.6	14.3	4.9	1.9	.4	.0	.0			100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 7432

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 WELLIS AFB NV 69-70, 73-80 JUN  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION

0000-0200  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	3.2	1.9	.4									5.6	3.5
NNE	3.0	1.6	.3	.6	.4	.1						6.0	5.9
NE	3.7	1.9	1.0	.9	.1							7.6	5.4
ENE	2.8	2.2	.9	.7								6.6	4.8
E	2.3	1.6	.9	.1								4.9	4.3
ESE	.8	.2	.2									1.2	3.7
SE	.8	.3	.1									1.2	3.1
SSE	.3		.3	.1								.8	6.0
S	1.7	3.6	4.2	3.4	.4							13.3	8.4
SSW	1.7	3.1	4.2	2.9	.9	.3	.1					13.2	9.3
SW	2.3	2.7	1.3	1.2	.4	.4						8.4	7.5
WSW	.6	1.2	.3	.2								2.3	5.1
W	.9	1.3	.3	.3								2.9	5.0
WNW	1.0	.2	.2	.2								1.7	5.1
NW	1.2	.4	.3	.2		.1						2.3	5.4
NNW	1.6	.2	.1	.2								2.1	3.6
VARBL													
CALM												19.9	
	27.8	22.4	15.3	11.1	2.3	1.0	.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27112 STATION NELLIS AFB NV 69-70.73-80 YEARS JUN MONTH  
0300-0500 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	2.2	.2									6.5	3.3
NNE	3.7	2.1	.4	.4								6.7	4.1
NE	5.9	3.4	1.1	.1	.1							10.7	3.9
ENE	3.3	1.8	1.3	.1								6.6	4.3
E	2.6	1.9	.9									5.3	3.8
ESE	1.1	.2										1.3	2.1
SE	.9	.1	.1	.1								1.2	3.5
SSE	.3		.2	.1								.7	6.3
S	1.0	2.1	2.0	4.6	.7	.1						10.5	10.0
SSW	.7	1.2	1.4	2.6	.2							6.1	9.6
SW	.7	1.3	1.2	.7	.3	.1						4.3	8.4
WSW	.7	.6	.4	.1								1.8	5.1
W	1.6	.4	.1									2.1	2.6
WNW	.8	.2		.3								1.3	5.5
NW	.9	1.2		.1	.1	.2						2.6	6.1
NNW	1.7	.6	.1									2.3	3.1
VARBL													
CALM												30.0	
	29.7	19.5	9.7	9.2	1.4	.4						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 23112 STATION NAME NELLIS AFB NV YEARS 69-70, 73-80 MONTH JUN  
CLASS ALL WEATHER HOURS (L.S.T.) 0600-0800  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.4	.2	.1								1.6	4.2
NNE	1.4	.7	.7	1.0	.1							3.9	6.9
NE	1.6	1.7	1.3	1.7	.7							6.9	8.2
ENE	2.0	2.0	.6	.4								5.0	5.0
E	3.2	1.4	1.6	.1								6.3	4.3
ESE	1.0	.7	.1									2.3	3.2
SE	1.3	.8	.4	.1								2.7	4.3
SSE	.9	.2	.1	.2								1.4	4.6
S	1.9	1.6	2.6	3.3	1.1	.6						11.0	10.2
SSW	3.3	2.6	1.9	2.7	.9							11.3	7.9
SW	3.4	1.4	1.0	.3	.1							6.3	4.5
WSW	1.6	.7	.3									2.6	3.4
W	1.3	.4	.2									2.0	3.2
WNW	1.0	.3	.2	.4	.1	.1						2.2	7.7
NW	.7		.1	.3	.2							1.3	8.5
NNW	.3	.2										.6	3.0
VARBL													
CALM												32.6	
	26.3	15.1	11.3	10.8	3.2	.7						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 69-70,73-80 YEARS JUN MONTH  
CLASS ALL WEATHER  
CONDITION

0900-1100 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7		.2	.1							1.4	6.2
NNE	.7	.8	1.4	1.1								4.0	8.4
NE	1.6	1.8	2.0	2.1	.3							7.3	8.5
ENE	1.0	1.4	3.1	1.6								7.1	7.9
E	3.4	3.2	1.9	.4								9.0	5.0
ESE	2.2	2.1	1.3	.2								5.9	4.9
SE	2.1	2.2	1.1	.2								5.7	4.8
SSE	.9	2.0	.9	.4								4.2	6.0
S	3.0	2.9	1.9	3.1	1.7	.4						13.0	9.4
SSW	3.8	2.4	2.0	4.4	1.8	.7						15.1	9.7
SW	2.3	1.3	1.4	1.0	1.0							7.1	7.9
WSW	1.6	1.2	.2	.2								3.2	4.1
W	1.0	.3	.1	.1	.1							1.7	4.7
WNW	.6	.1	.2	.2	.4							1.6	10.1
NW	.4	.3		.3	.1							1.2	7.8
NNW	.2	.2	.1		.1							.7	6.8
VARBL													
CALM												11.3	
	25.2	23.1	17.8	15.8	5.7	1.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV 69-70,73-80 YEARS JUN MONTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8	.2									1.7	4.0
NNE	.6	.6	.2	.3								1.7	6.4
NE	.8	1.8	.4	.8								3.8	6.4
ENE	.7	1.1	1.7	.3								3.8	6.9
E	1.1	1.6	1.3	.3								4.3	5.7
ESE	1.6	1.4	1.7	.3								5.0	6.0
SE	1.7	1.9	.9	.6	.3							5.3	6.4
SSE	1.0	1.7	1.3	.6	.3	.2						5.1	8.2
S	2.4	3.9	3.4	2.2	1.2	.8						14.0	9.1
SSW	2.1	3.0	2.9	4.2	2.7	1.6	.1					16.6	11.5
SW	1.9	2.1	2.7	6.0	2.6	.9						16.1	11.6
WSW	1.3	1.8	1.9	2.0	.6	.1						7.7	8.9
W	2.0	1.9	.8	.4								5.1	5.1
WNW	.4	.4		.1	.4	.1						1.6	10.0
NW	.7	.6	.3		.2							1.8	5.9
NNW	.3	.3		.1		.1						.9	7.3
VARBL													
CALM												5.6	
	19.2	24.8	19.8	18.4	8.3	3.8	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV 69-70, 73-80 YEARS JUN MONTH  
CLASS ALL WEATHER 1500-1700 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6										.9	4.1
NNE	.2	.3	.3	.3								1.2	7.4
NE		.8	.8	.8								2.3	9.0
ENE	.4	.9	.7	.2								2.2	6.5
E	.9	1.7	.9	.9								4.3	6.5
ESE	.9	.8	.9	.6								3.1	6.7
SE	1.7	1.2	.4	.9	.1							4.3	6.2
SSE	1.2	1.4	.6	.9	.1							4.2	6.9
S	2.0	2.3	1.6	3.0	1.6	.9						11.3	10.6
SSW	2.0	3.1	2.4	3.6	2.9	.9						14.9	11.2
SW	1.7	2.6	5.2	8.9	4.8	1.8						24.9	12.7
WSW	.7	1.8	2.4	3.3	1.0	.6						9.8	11.1
W	1.4	1.8	1.7	.8	.1							5.8	6.8
WNW	.3	.4	.6	.4	.3	.3						2.4	11.5
NW	.6	.1	.8	.6		.3	.1					2.4	11.3
NNW	.2	.1	.3									.7	6.0
VARBL													
CALM												5.1	
	14.6	19.9	19.6	25.1	10.9	4.8	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 69-70.73-80 YEARS JUN MONTH  
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.4	.3								1.7	6.6
NNE	.9	.6	.4	.6	.3	.1						2.9	8.6
NE	.7	1.2	.2	.1								2.2	4.7
ENE	.9	1.2	.3	.2	.1							2.8	5.5
E	1.0	1.0	.7									2.7	4.4
ESE	1.1	1.9	.9	.3								4.2	5.5
SE	1.0	1.0	1.8	.2								4.0	6.6
SSE	.7	.9	1.2	1.7								4.4	6.8
S	4.1	3.8	3.6	2.6	1.3	.1						15.4	7.8
SSW	2.3	4.1	3.7	4.0	1.2	.4						15.6	9.0
SW	2.1	3.1	4.8	5.2	2.0	.1						17.3	9.8
WSW	.7	2.0	2.0	3.0	.2							7.9	9.0
W	.6	1.9	1.0	.3	.2							4.0	6.8
WNW	.4	1.4	.3	.7	.2		.1					3.2	8.4
NW	.1	.7	.3	.8	.1							2.3	9.1
NNW	.1	.2	.2	.1								.7	7.5
VARBL													
CALM												8.8	
	17.0	25.6	21.9	20.1	5.8	.8	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22112 STATION NELLIS AFB NV 69-70,73-80 YEARS JUL MONTH  
2100-2300 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.8	.7									4.4	4.0
NNE	2.1	1.4	.4	.2	.6	.3						5.1	7.0
NE	1.9	1.4	.4	.8	.3	.1						5.0	7.0
ENE	.0	2.7	.6	.1	.2							4.4	5.8
E	.3	.7	.3									1.5	4.3
ESE	.4	.2	.1									.8	3.6
SE	1.2		.4	.1								1.8	4.1
SSE	.9	.3	.2	.4	.1							2.0	6.8
S	2.9	6.4	6.0	3.7	.4							19.4	7.5
SSW	3.0	4.7	3.8	2.7	.8	.1						15.0	7.6
SW	2.0	4.4	1.9	1.1	.6	.3						10.3	7.2
WSW	.7	3.0	.3	.8	.1							4.9	6.4
W	.9	1.2		.2								2.3	4.4
WNW	1.1	1.1	.4	.2	.1							3.0	5.4
NW	1.0	.6	.6	.1								2.2	5.0
NNW	.7	.6	.3									1.6	4.3
VARBL													
CALM												15.9	
	22.4	30.6	16.6	10.4	3.2	.9						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27112 STATION NELLIS AFB NV STATION NAME 69-70.73-20 YEARS JUN MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.1	.3	.1	.0							3.0	4.0
NNE	1.6	1.0	.5	.6	.2	.1						3.9	6.5
NE	2.0	1.8	.9	.9	.2	.0						5.6	6.4
ENE	1.5	1.7	1.1	.5	.0							4.8	5.6
E	1.9	1.6	1.1	.2								4.8	4.8
ESE	1.2	.9	.7	.2								3.0	5.1
SE	1.3	.9	.7	.3	.1							3.3	5.4
SSE	.9	.8	.6	.6	.1	.0						2.9	7.2
S	2.4	3.3	3.2	3.2	1.1	.4						13.5	8.9
SSW	2.4	3.0	2.8	3.4	1.4	.5	.0					13.5	9.5
SW	2.1	2.4	2.4	3.1	1.5	.5						11.9	9.5
WSW	1.0	1.5	1.0	1.2	.2	.1						5.0	8.0
W	1.2	1.2	.5	.3	.1							3.2	5.3
WNW	.7	.5	.3	.3	.2	.1	.0					2.1	6.6
NW	.7	.5	.3	.3	.1	.1	.0					2.0	7.0
NNW	.6	.3	.2	.1	.0	.0						1.2	4.6
VARBL													
CALM												16.1	
	22.8	22.6	16.5	15.1	5.1	1.7	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 719

AD-A113 154

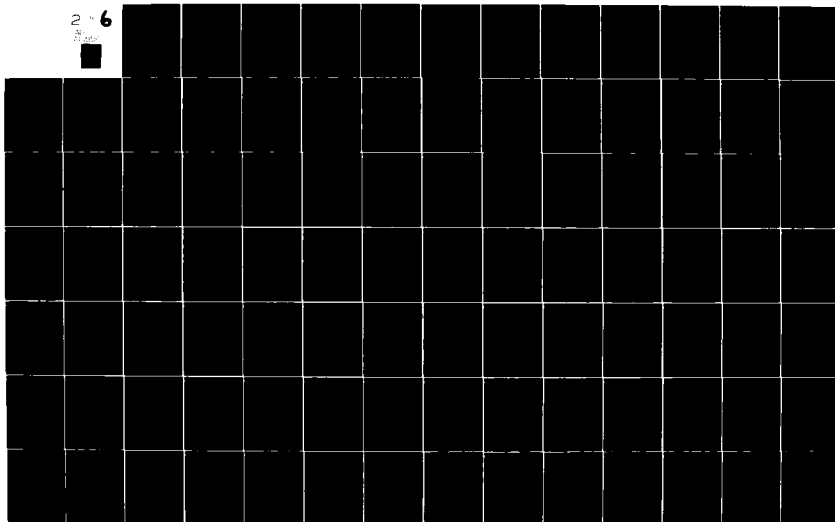
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OCT 81

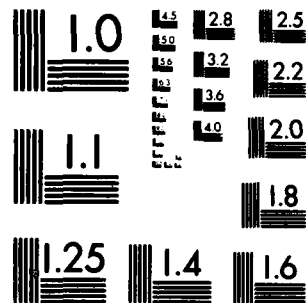
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV STATION NAME 69-70.73-80 YEARS JUL MONTH  
0000-0200 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.2										4.5	2.7
NNE	4.8	1.8	.2	.3	.1							7.3	3.5
NE	2.8	1.7	1.0	.8		.2						6.5	5.9
ENE	2.7	1.5	1.4	.4	.1							6.1	5.3
E	2.5	2.5	2.7	.2								7.8	5.1
ESE	1.7	.5	.3	.1								2.7	4.0
SE	.5	.2	.5	.2								1.5	6.2
SSE	.6	.3	.5	.2	.1							1.8	6.4
S	1.2	1.7	6.2	3.2	.2							12.6	8.5
SSW	2.2	2.7	5.5	1.9	.1							12.4	7.3
SW	1.0	2.6	.6	.3								4.5	5.1
WSW	1.3	1.4	.2									2.9	4.1
W	1.1	1.2										2.3	3.6
WNW	.6	.1	.3			.1						1.2	6.1
NW	1.9	.4	.1	.4	.2	.1	.1					3.3	6.5
NNW	1.2	.8										1.9	3.2
VARBL													
CALM												20.6	
	29.5	20.6	19.7	8.2	.9	.4	.1					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22112 STATION NELLIS AFB NV STATION NAME 69-70,73-80 YEARS JUL MONTH  
ALL WEATHER CLASS 3300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	1.5										5.6	2.7
NNE	6.1	2.3	.1									8.5	2.6
NE	4.7	3.8	.5	.2								9.2	3.8
ENE	3.1	2.6	2.6	.1								8.4	5.0
E	3.0	3.0	1.7									7.7	4.5
ESE	1.1	.3	.2	.1								1.7	4.2
SE	1.0	.3	.2	.1								1.6	4.1
SSE	.5	.4	.1		.1							1.2	4.8
S	.4	1.5	2.6	3.7								8.2	9.8
SSW	1.1	1.9	3.4	1.7								8.2	7.9
SW	1.5	1.4	.3									3.2	3.9
WSW	.4	.4	.3									1.2	4.8
W	1.2	.3										1.5	2.6
WNW	1.4	.3	.2									1.9	3.2
NW	1.7	.4	.1	.1	.2							2.6	4.8
NNW	1.2	.3	.1	.1								1.7	3.8
VARBL													
CALM												27.5	
	32.6	20.9	12.6	6.1	.3							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV 69-70.73-80 YEARS JUL MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.3	.1									1.3	3.5
NNE	1.6	.5										2.2	2.8
NE	2.6	1.8	.6	.3								5.4	4.5
ENE	2.0	2.3	1.9	.4								6.7	5.5
E	2.5	3.3	2.0	.2								8.1	5.3
ESE	1.3	1.9	1.1	.1								4.4	5.2
SE	.8	1.5	1.1	.2								3.5	6.1
SSE	1.2	.6	.4	.3								2.6	5.2
S	2.9	1.4	1.6	3.4	.6							10.0	8.4
SSW	3.9	2.4	1.5	1.7	.2							9.7	6.0
SW	3.3	1.8	.8	.1								6.0	3.6
WSW	.6	.8	.1									1.5	3.8
W	1.3	.3										1.6	2.3
WNW	1.0	.4										1.4	2.8
NW	1.4	.5	.2									2.2	3.3
NNW	.4	.4										.9	3.1
VARBL													
CALM												32.7	
	27.6	20.4	11.5	6.9	.9							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 69-70.73-80 YEARS JUL MONTH  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.6	.1										.8	2.6
NNE	.6	.6	.3									1.6	4.3
NE	1.6	1.1	1.1	.2	.1							4.1	5.3
ENE	1.3	2.4	1.5	.6	.1							5.9	6.2
E	3.8	4.4	1.5	.5								10.2	4.7
ESE	2.8	3.7	3.7	.4								10.5	5.7
SE	1.5	3.0	3.0	.6								8.2	6.3
SSE	1.6	2.2	1.5	.4	.1							5.8	5.9
S	4.0	3.4	3.9	2.3	1.0							14.5	7.4
SSW	4.0	3.5	2.5	1.7	.9							12.6	6.9
SW	2.2	1.7	1.3	.9	.5	.1						6.7	7.2
WSW	1.6	.4	.3	.2								2.6	4.5
W	1.8	.2	.2	.1								2.4	3.2
WNW	.5	.2										.8	3.0
NW	.1			.1								.2	7.0
NNW	.6	.1										.8	2.6
VARBL													
CALM												12.5	
	28.7	27.1	20.8	8.2	2.7	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 23112 STATION NAME NELLIS AFB NV YEARS 69-70.73-80 MONTH JUL  
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.4	.3									1.4	4.3
NNE	.6	.9	.2									1.7	3.8
NE	1.0	1.1	.3	.3	.2							2.9	6.0
ENE	1.3	1.2	.8	.2								3.4	5.2
E	1.1	1.9	1.7	.5	.1							5.4	6.3
ESE	.9	2.3	3.3	1.2	.1							7.7	8.0
SE	1.6	2.3	2.2	.8								6.8	6.2
SSE	.9	2.9	1.8	.9	.1							6.6	6.9
S	2.7	4.5	3.9	3.5	.9	.1						15.6	8.3
SSW	1.6	3.5	3.9	4.2	1.4	.2	.1					14.9	9.7
SW	1.4	3.3	4.2	4.2	1.3	.2						14.6	9.7
WSW	.6	2.5	2.0	1.4	.5	.1						7.2	6.7
W	1.8	2.0	.5	.1								4.5	4.3
WNW	.4	.8	.1		.1							1.4	5.7
NW	.2	.2										.4	3.3
NNW	.3	.2										.5	3.0
VARBL													
CALM												4.8	
	17.1	30.0	25.3	17.3	4.7	.6	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 69-70.73-80 YEARS JUL MONTH 1500-1700 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.3	.1			.1						1.5	4.4
NNE		.2	.2	.2		.1						.8	10.9
NE	.2	.4	.3	.1		.1						1.2	8.4
ENE	.4	.6	.2	.3								1.6	6.3
E	.9	.9	1.1	.8	.1							3.7	7.4
ESE	.5	1.9	2.7	1.3	.1							6.6	8.1
SE	1.2	1.7	1.9	1.2								6.0	7.2
SSE	.8	1.9	1.5	1.4		.1		.1				5.8	8.4
S	2.4	2.2	4.7	4.2	.5	.2						14.2	8.9
SSW	1.5	3.4	5.1	4.3	1.1	.1						15.5	9.3
SW	1.7	3.4	4.3	7.7	3.0	.5						20.8	11.2
WSW	1.3	1.9	3.4	3.1	.4	.3						10.5	9.6
W	1.3	1.4	1.3	.8								4.7	6.4
WNW	.5	.8	.2	.1	.1	.1						1.8	6.6
NW	.8	.2										1.0	2.8
NNW	.2	.2										.4	3.5
VARBL													
CALM												4.0	
	14.6	21.6	27.1	25.5	5.4	1.7		.1				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 69-70,73-80 YEARS JUL MONTH  
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3										.4	4.0
NNE	.3	.3	.2	.4	.2							1.5	9.6
NE	.4	.4	.3	.1	.1	.1	.1					1.6	9.4
ENE	.3	.4	.4	.2	.1	.1						1.6	8.4
E	.8	1.5	1.5	.5								4.3	6.6
ESE	1.1	2.3	2.2	1.1	.5							7.1	7.6
SE	1.1	2.0	2.4	1.1	.2	.1						6.9	7.8
SSE	1.3	1.1	2.5	3.3	.2							8.4	9.1
S	4.5	4.8	4.1	5.3	.3							19.0	7.5
SSW	3.2	6.3	4.1	2.2	.2	.1						16.1	6.7
SW	1.7	2.9	4.0	3.7	.1	.2						12.6	8.5
WSW	.6	1.8	2.9	1.9								7.3	8.2
W	1.1	1.1	1.0	.2								3.3	5.6
WNW	.3	.3	.4	.1								1.2	6.5
NW	.5	.2	.2	.2								1.2	5.8
NNW	.1	.3										.4	3.3
VARBL													
CALM												7.0	
	17.5	26.2	26.1	20.3	2.0	.6	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 27112 NELLIS AFB NV STATION NAME 69-70.73-80 YEARS JUL MONTH 2100-2300 HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	2.3	.8		.2	.1							3.3	3.7
NNE	1.7	.6	.2		.3							2.9	5.1
NE	1.4	.8	1.0	.9	.3		.1					4.4	8.3
ENE	.9	1.2	1.1	1.0								4.1	7.2
E	1.3	1.5	1.2									4.0	5.2
ESE	.4	.4	.4	.5	.6							2.5	10.5
SE	.8	.8	.8	.6		.1						3.0	7.3
SSE	.5	1.1	.9	1.0	.1							3.5	8.2
S	2.5	5.2	9.4	3.4	.4							20.9	7.9
SSW	3.3	4.9	4.1	1.8	.1							14.3	6.4
SW	2.4	4.0	.9	.2		.1						7.5	4.8
WSW	2.2	1.9										4.1	3.3
W	1.5	1.3	.6									3.4	4.2
WNW	1.4	.8	.2	.1								2.5	3.5
NW	1.2	.1	.4	.1	.1							1.9	5.0
NNW	.6	.1	.1	.1								1.0	3.8
VARBL													
CALM												16.7	
	24.3	25.4	21.2	10.0	2.2	.2	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV 69-70, 73-80 YEARS JUL MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.6	.1	.0	.0	.0						2.4	3.2
NNE	2.0	.9	.2	.1	.1	.0						3.3	4.0
NE	1.8	1.4	.6	.4	.1	.1	.0					4.4	5.6
ENE	1.5	1.5	1.2	.4	.0	.0						4.7	5.8
E	2.0	2.4	1.7	.3	.0							5.4	5.4
ESE	1.2	1.7	1.7	.6	.2							5.4	6.8
SE	1.0	1.5	1.5	.6	.0	.0						4.7	6.7
SSE	.2	1.3	1.2	.9	.1	.0		.0				4.5	7.4
S	2.6	3.1	4.5	3.6	.5	.0						14.4	8.2
SSW	2.6	3.6	3.7	2.4	.5	.1	.0					13.0	7.6
SW	1.9	2.6	2.0	2.1	.6	.1						9.5	8.2
WSW	1.1	1.4	1.2	.8	.1	.1						4.7	7.3
W	1.4	1.0	.5	.1								3.0	4.5
WNW	.8	.5	.2	.0	.0	.0						1.5	4.6
NW	1.0	.3	.1	.1	.1	.0	.0					1.6	5.0
NNW	.6	.3	.0	.0								1.0	3.3
VARBL													
CALM												15.7	
	24.0	24.0	20.5	12.8	2.4	.5	.1	.0				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 69-70, 73-80 YEARS AUG  
MONTH 0000-0200  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.5	.2									5.1	3.1
NNE	3.5	1.8	.1	.3	.2							6.0	4.2
NE	4.5	1.8	.9	.5								7.7	4.3
ENE	4.3	1.9	1.2	.5								8.0	4.5
E	2.7	2.4	1.3	.1	.1							6.6	4.6
ESE	.6	.2	.2			.1						1.2	5.3
SE	.8	.4	.6									1.8	4.7
SSE	.6	.5	.3	.5								2.0	6.4
S	1.4	2.5	4.1	2.7	.3							11.0	8.4
SSW	1.3	2.7	4.4	1.6								10.0	7.5
SW	1.0	2.2	.5	.1	.1							3.9	5.5
WSW	.5	1.6	.4									2.6	4.5
W	1.8	1.1		.1								3.0	3.7
WNW	.5	.6	.1									1.3	4.3
NW	1.1	.2	.2	.1								1.6	4.4
NNW	1.4	.8										2.2	3.0
VARBL													
CALM												26.1	
	29.5	22.3	14.6	6.7	.8	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 69-70.73-80 YEARS AUG MONTH 0300-0500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	4.6	2.2	.1									6.9	3.0
NNE	4.0	1.7		.4	.1							6.2	3.9
NE	4.2	3.0	1.1	.1								8.4	4.0
ENE	3.2	3.5	1.0									7.7	4.2
E	3.1	4.2	1.7	.2								9.2	4.9
ESE	.9	1.1	.8	.2	.1							3.0	6.1
SE	.4	.3	.2	.1								1.1	5.6
SSE	.2	.5	.4	.1								1.3	6.7
S	1.0	1.4	2.5	1.5	.2							6.6	8.2
SSW	1.2	1.2	1.9	1.4	.1	.1						5.9	8.0
SW	1.5	1.8	.3	.1								3.8	4.3
WSW	.6	.8	.3									1.7	4.3
W	.6	.4	.2									1.3	4.2
WNW	.6	.4	.1									1.2	3.8
NW	1.5	.6										2.2	2.6
NNW	1.4	1.0										2.4	3.0
VARBL													
CALM												31.2	
	29.1	24.2	10.6	4.2	.5	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2112 STATION NELLIS AFB NV STATION NAME 60-70.73-80 YEARS AUG  
MONTH 0600-0800  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.6	.6										2.3	2.7
NNE	1.4	.8	.3	.1								2.6	3.6
NE	1.6	1.6	.4	.3								4.0	4.7
ENE	1.9	2.5	2.0	.2								6.7	5.4
E	2.9	4.1	3.2	.4								10.6	5.4
ESE	1.3	1.4	1.1	.1								3.9	5.1
SE	.5	.8	.8	.2								2.3	5.9
SSE	.8	.9	.6	.3								2.5	6.1
S	3.1	1.7	1.9	1.6	.2	.1						8.7	6.8
SSW	3.3	1.4	1.3	1.4	.2							7.6	6.4
SW	2.3	1.9	.4		.1							4.7	4.2
WSW	1.4	.2	.1									1.7	2.9
W	1.1	.5										1.6	2.9
WNW	.9	.4										1.3	2.8
NW	.6	.2										.9	2.6
NNW	.8	.1										.9	2.4
VARBL													
CALM												37.8	
	25.5	19.0	12.3	4.7	.5	.1						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION WELLIS AFB NV STATION NAME 69-70.73-80 YEARS AUG  
MONTH 0900-1100  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.2										1.3	2.3
NNE	.3	.5	.5	.2	.1							1.7	7.4
NE	1.3	1.8	1.4	.3								4.8	5.6
ENE	1.4	1.7	1.8	.3								5.3	5.9
E	4.2	3.9	3.2	.3								11.6	5.1
ESE	1.9	3.1	2.3	.4								7.7	5.6
SE	1.8	2.8	2.4	.5								7.5	6.1
SSE	2.2	1.6	2.2	.6	.1							6.7	6.2
S	3.9	3.0	2.0	2.6	.6							12.2	7.2
SSW	3.2	2.7	1.3	2.4	1.3	.1						11.0	7.9
SW	3.1	2.3	.9	1.2	.2							7.6	5.2
WSW	1.2	.4	.3	.1								2.0	4.5
W	1.2	.3		.1								1.0	3.7
WNW	1.3		.1	.1								1.5	3.4
NW	.5	.1										.6	2.0
NNW	.4											.4	1.8
VARBL													
CALM												10.3	
	29.0	24.5	18.4	9.2	2.4	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22112 STATION HELLIS AFB NV 69-70.73-80 YEARS AUG MONTH 1200-1400 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.4										1.5	2.6
NNE	.8	.6		.1								1.5	3.9
NE	1.0	.6	.3	.1								2.0	4.7
ENE	.7	.5	.2	.2								1.6	4.8
E	1.6	2.0	1.7	.5								5.9	6.0
ESE	1.3	2.8	3.0	1.1	.2							8.4	6.9
SE	1.4	2.0	2.4	1.2								7.0	6.8
SSE	1.1	2.3	2.7	.9	.1							7.0	7.0
S	2.7	5.2	4.3	3.0	.8	.2						16.1	7.9
SSW	1.6	3.9	3.2	4.1	1.3	.4						14.5	9.7
SW	1.4	4.0	3.4	4.2	1.8	.6	.1					15.6	10.5
WSW	1.6	1.5	1.0	1.2	.3							5.6	7.4
W	1.3	1.3	.5	.2								3.3	5.0
WNW	.3	.4	.6	.2	.1							1.7	7.5
NW	.4	.6	.1	.1								1.3	5.0
NNW	.2											.2	2.5
VARBL													
CALM												6.5	
	18.6	28.3	23.5	17.1	4.6	1.3	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

27112 WELLIS AFB NY 69-70, 73-80 AUG  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
1500-1700  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.1									.8	3.4
NNE	.1	.4	.1	.2								.9	7.0
NE	.3	.1	.1	.1								.6	5.7
ENE	.0	.9		.2								1.9	4.1
E	1.2	1.0	1.5	.6								4.3	6.5
ESE	1.4	1.7	1.8	1.0								5.9	6.6
SE	.8	1.9	1.3	1.5								5.5	7.9
SSE	.9	.6	1.2	1.2	.5							4.4	9.2
S	2.0	3.0	3.5	3.9	.6	.1						13.2	8.6
SSW	1.5	3.2	4.6	6.2	1.2	.2						17.0	10.2
SW	1.6	4.7	3.3	8.4	1.6	.5						20.2	10.3
WSW	1.3	.8	1.8	4.2	1.4							9.5	11.0
W	.9	1.5	1.3	1.1	.3	.1						5.2	8.4
WNW	.8	.6		.4								1.8	5.3
NW	.2	.5		.1	.1	.1						1.1	8.8
NNW	.2	.3	.2	.1								.9	6.6
VARBL													
CALM												6.9	
	14.4	21.6	21.0	29.2	5.8	1.1						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2112 STATION MELLIS AFB NV 69-70.73-80 YEARS AUG MONTH  
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.3		.1								1.3	3.5
NNE	.8	.6		.1		.2	.1	.1				1.9	9.1
NE	.4	.3	.1	.4	.2	.1	.1					1.7	11.1
ENE	.8	.1	.1	.4		.1						1.5	7.6
E	1.1	.8	.4	.1								2.4	4.5
ESE	.8	1.5	1.7	.5			.1					4.6	7.3
SE	1.5	1.5	1.7	.5	.2	.2	.1					5.8	7.5
SSE	1.2	1.7	1.7	1.8	.3							6.8	8.2
S	4.4	7.3	6.2	3.9	.5							22.4	7.3
SSW	2.3	5.3	4.2	2.3	.2							14.2	7.0
SW	1.4	3.5	5.1	1.9	.1							12.0	7.7
WSW	1.2	1.5	3.1	1.6								7.4	7.7
W	.8	1.1	.8	.1	.1	.1						2.9	6.4
WNW	.8	.4	.3	.2	.1							1.8	6.4
NW	.4	.6	.1	.3	.1							1.6	6.7
NNW	.5	.1		.1								.8	3.7
VARBL													
CALM												13.9	
	19.0	26.8	25.6	14.5	1.9	.8	.4	.1				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 69-70.73-80 YEARS AUG MONTH 2100-2300 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.2	.2	.1								4.0	3.4
NNE	2.0	.6	.2	.3	.2							3.4	5.0
NE	1.3	1.4	.4	1.1	.4	.1						4.7	8.0
ENE	.8	.5	.5									1.8	4.5
E	1.4	1.5	.5	.2		.1						3.9	5.4
ESE	1.0	1.0	.9	.2	.3							3.3	7.0
SE	.5	.2	.8	.2	.2							1.9	7.7
SSE	.4	.9	.5	.5	.3							2.7	8.6
S	2.2	5.7	6.6	4.0	.4							18.8	7.9
SSW	1.9	6.9	4.4	1.0	.1	.1						14.4	6.5
SW	3.4	4.2	1.6	.3								9.6	4.7
WSW	1.2	2.7	.4	.1								4.4	4.6
W	1.5	1.2	.8	.2								3.7	4.9
WNW	.8	1.1	.2	.1								2.2	4.4
NW	1.0	.8	.1									1.8	3.5
NNW	.6	.3	.2									1.2	4.1
VARBL													
CALM												18.2	
	22.5	30.2	18.4	8.4	2.0	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV 69-70.73-80 YEARS AUG MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.8	.1	.0								2.9	3.0
NNE	1.6	.9	.2	.2	.1	.0	.0	.0				3.0	4.8
NE	1.8	1.3	.6	.4	.1	.0	.0					4.3	5.4
ENE	1.8	1.5	.9	.2		.0						4.3	4.9
E	2.3	2.5	1.7	.3	.0	.0						6.8	5.3
ESE	1.1	1.6	1.5	.4	.1	.0	.0					4.8	6.3
SE	1.0	1.2	1.3	.5	.1	.0	.0					4.1	6.8
SSE	.9	1.1	1.2	.8	.2							4.2	7.4
S	2.6	3.7	3.9	2.9	.5	.1						13.6	7.7
SSW	2.0	3.4	3.2	2.5	.6	.1						11.8	8.1
SW	2.0	3.1	1.9	2.0	.5	.1	.0					9.7	7.9
WSW	1.1	1.2	.9	.9	.2							4.4	7.3
W	1.1	.9	.4	.2	.1	.0						2.8	5.5
WNW	.7	.5	.2	.1	.0							1.6	4.9
NW	.7	.5	.1	.1	.0	.0						1.4	4.5
NNW	.7	.3	.1	.0								1.1	3.4
VARBL													
CALM												19.2	
	23.5	24.6	18.1	11.8	2.3	.5	.1	.0				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 NELLIS AFB NV 69-70.73-80 SEP  
STATION STATION NAME YEARS  
MONTH  
0000-0200  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	1.7			.1							4.0	3.2
NNE	5.2	1.9	.6	.7	.1		.1					8.6	4.5
NE	4.2	2.6	.8	1.1	.2	.1						9.0	5.4
ENE	3.1	2.3	1.7	.2								7.3	4.6
E	2.9	3.0	1.6	.1								7.6	4.6
ESE	.8	.6	.1	.1								1.6	4.5
SE	.3	.2	.2		.1							.9	6.9
SSE	.2		.2									.4	5.3
S	.2	1.7	1.6	2.1	.1							6.2	8.4
SSW	1.2	1.3	1.0	.6	.7	.2						5.0	8.3
SW	1.7	.7	.7	.2	.3							3.6	6.0
WSW	1.1	.6	.2									1.9	4.2
W	1.0	.3	.2									1.6	3.1
WNW	.7	.6		.1								1.3	4.2
NW	1.1	.3	.1	.1								1.7	4.0
NNW	.7	.6		.1								1.3	3.8
VARB													
CALM												36.1	
	27.9	17.6	8.9	5.4	1.7	.3	.1					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 69-70.73-80 YEARS SEP MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	4.1	1.3	.4	.4	.3							6.7	4.4
NNE	3.8	2.0	.6	.6		.1						7.0	4.5
NE	4.0	2.3	1.1	.6								8.0	4.3
ENE	2.8	1.9	.8	.2								5.7	4.1
E	2.0	3.1	2.0									7.1	4.9
ESE	.7	.6	.1									1.3	3.4
SE	.4	.6	.1	.2								1.3	5.2
SSE	1.1	.1	.1									1.3	2.7
S	1.4	.9	1.3	1.3	.1							5.1	7.5
SSW	1.1	.7	.8	1.0	.2							3.8	7.9
SW	.9	.7	.2			.1						1.9	5.2
WSW	.9	.3	.2	.1								1.6	3.9
W	.7	.3		.1								1.1	3.9
WNW	2.2	.2			.1							2.6	3.0
NW	1.2	.3	.3									1.9	3.6
NNW	.9	.4	.1									1.4	2.9
VARBL													
CALM												42.2	
	28.2	15.8	8.2	4.6	.8	.2						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27112 STATION NELLIS AFB NV 69-70, 73-80 YEARS SEP MONTH  
0600-0800 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.8	.3	.3								1.9	6.1
NNE	2.0	1.1	1.1	.6								4.8	5.5
NE	2.1	1.3	1.2	.4								5.1	5.0
ENE	3.3	2.1	1.7	.3								7.5	4.9
E	2.1	3.2	2.6									7.9	5.2
ESE	.8	1.0	.1	.1								2.0	4.4
SE	.4	.4	.6	.3								1.8	6.6
SSE	.9		.3	.2								1.4	5.5
S	1.9	.8	.4	1.6	.4							5.1	7.8
SSW	2.7	.7	.7	.6	.3							4.9	5.7
SW	2.3	1.2	.2	.4								4.2	4.0
WSW	1.8	.4	.2									2.4	3.0
W	1.7	.2										1.9	2.2
WNW	.6	.4		.1		.1		.1				1.3	8.4
NW	1.1	.6	.1	.1								1.9	4.2
NNW	.1	.3	.1	.1								.7	6.8
VARBL													
CALM												45.2	
	24.2	14.7	9.7	5.2	.8	.1		.1				100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

20112 NELLIS AFB NV 69-70, 73-80 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
0900-1100  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2		.4	.3	.1							2.1	5.9
NNE	.2	1.0	1.9	1.7	.1							5.5	8.8
NE	1.2	2.3	3.0	3.3	.6							10.5	9.0
ENE	.9	1.6	4.0	2.3	.1							8.9	8.6
E	3.4	3.9	2.8	.2								10.3	5.1
ESE	2.6	1.7	1.7	.2								6.1	4.9
SE	1.7	2.3	.9	.2								5.1	4.8
SSE	1.7	1.2	1.2	.3								4.4	5.5
S	4.0	2.0	1.6	1.1	.3	.1						9.1	6.1
SSW	2.4	1.3	.7	1.2	.8	.7						7.1	8.8
SW	1.9	.7	.6	.6	.2	.2						4.1	7.2
WSW	.8	.3		.1								1.2	4.2
W	.7	.4	.1	.1								1.3	4.5
WNW	.6				.1			.1				.8	9.1
NW	.3	.1	.2	.3	.1	.1						1.2	10.0
NNW	.1			.1								.2	6.5
VARBL													
CALM												21.9	
	24.2	18.9	19.0	12.2	2.4	1.1		.1				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION MELLIS AFB NV STATION NAME 69-70.73-80 YEARS SEP MONTH 1200-1400 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.8	.4	.2	.1								1.6	4.7
NNE	1.1	.9	.7	1.0	.1	.1						3.9	7.8
NE	1.6	1.6	3.0	1.7	.3							8.1	8.0
ENE	1.3	2.9	2.0	.8	.1							7.1	6.4
E	3.7	3.6	2.9									10.1	5.0
ESE	2.9	2.6	1.2	.2	.1							7.0	4.7
SE	2.6	2.8	1.8	.7								7.8	5.4
SSE	1.8	2.7	1.1	.7	.1							6.3	5.8
S	2.6	4.3	1.4	1.7	.2							10.2	6.2
SSW	1.7	2.3	2.0	2.7	1.8	.9	.1					11.4	11.1
SW	1.0	1.7	1.2	2.4	.9	.8						8.0	11.0
WSW	1.7	.8	.3	1.0								3.8	6.4
W	1.2	1.0	.7	.2								3.1	4.8
WNW	1.0	.4		.4								1.9	5.4
NW	.2		.1	.1	.1	.1		.1				.8	14.1
NNW	.3	.2										.6	2.8
VARBL													
CALM												8.3	
	25.3	28.1	18.7	13.7	3.8	1.9	.1	.1				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 NELLIS AFB NV 69-70, 73-80 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
1500-1700  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.2	.1								.9	6.5
NNE	1.3	.7	1.0	1.4								4.4	7.8
NE	1.9	2.1	2.6	1.2		.1						7.8	7.2
ENE	.6	2.6	1.2	.3								4.7	5.9
E	2.8	3.9	1.7	.3								8.7	4.8
ESE	1.1	2.7	1.8	.7	.1							5.7	6.3
SE	1.2	2.8	2.2	.7								6.9	6.3
SSE	1.1	1.4	1.6	.8	.1							5.0	7.0
S	2.7	2.7	1.7	1.2	.7							8.9	7.0
SSW	2.2	2.1	2.2	3.4	.7	.9	.1					11.7	10.0
SW	2.1	2.0	2.9	4.6	1.2	.7						13.4	10.2
WSW	1.8	.6	.9	.6								3.8	5.7
W	1.3	.9	.6	.1								2.9	4.7
WNW	.9	.6	.2	.3								2.0	5.4
NW	.4	.1	.2	.2	.3	.1	.1					1.6	12.0
NNW	.1	.1	.1	.1								.4	7.3
VARBL													
CALM												11.3	
	21.6	24.9	21.0	16.1	3.1	1.8	.2					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27112 STATION NELLIS AFB NV 69-70.73-80 YEARS SEP MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.6	.2	.1								4.0	3.8
NNE	3.3	2.8	.7	.3	.1							7.2	4.7
NE	3.1	1.6	1.0	.1		.2						6.0	4.8
ENE	2.9	1.8	.6	.6								5.8	4.3
E	2.3	1.9	.2									4.4	3.7
ESE	1.7	1.1	.4	.2								3.4	4.5
SE	2.0	1.8	.7	.1	.1							4.7	4.5
SSE	1.0	.8	.7	.6								3.0	6.5
S	2.7	4.7	3.8	2.2	.6							13.9	7.3
SSW	2.3	2.8	2.2	1.0	.2	.6	.1					9.2	7.8
SW	1.2	2.4	1.3	1.0	.2							6.2	6.6
WSW	.8	.6	.6									1.9	4.5
W	1.4	.7	.1		.1							2.3	3.8
WNW	.6	.9	.7	.2	.2							2.6	7.3
NW	.2	.6	.4	.1								1.3	6.3
NNW	.7	.3		.1								1.1	4.2
VARBL													
CALM												22.9	
	28.3	26.1	13.6	6.7	1.6	.8	.1					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 WELLIS AFB NV 69-70, 73-80 SEP  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.7										4.7	3.0
NNE	4.2	1.4	.4	.2	.2							6.3	4.1
NE	2.9	1.7	1.1	.4	.6	.2						6.9	6.5
ENE	1.7	2.0	.8	.4	.2							5.1	5.9
E	1.9	2.3	1.0									5.1	4.3
ESE	.8	.4	.2		.1							1.6	5.4
SE	.6	.1	.2	.2								1.1	5.2
SSE	.3	.1	.1	.2								.8	6.3
S	1.0	2.6	2.7	1.0	.3	.1						7.7	7.9
SSW	2.2	3.3	1.2	.6	.7							3.0	6.5
SW	3.1	2.8	.7	.3	.4							7.3	5.3
WSW	1.1	1.3	.1	.1								2.7	4.2
W	1.0	.9		.2								2.1	4.1
WNW	.8	1.3	.1			.1						2.3	4.9
NW	1.7	.8	.1									2.6	3.2
NNW	1.2	.4		.1								1.6	3.3
VARBL													
CALM												34.0	
	27.1	23.2	8.8	3.9	2.6	.4						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV STATION NAME 69-70.73-80 YEARS SEP MONTH ALL HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.9	.2	.2	.1							3.2	4.2
NNE	2.7	1.5	.9	.8	.1	.0	.0					6.0	5.6
NE	2.6	1.9	1.7	1.1	.2	.1						7.7	6.5
ENE	2.1	2.1	1.6	.7	.1							6.5	5.7
E	2.6	3.1	1.8	.1								7.7	4.8
ESE	1.4	1.2	.7	.2	.0							3.6	5.0
SE	1.2	1.4	.8	.3	.0							3.7	5.0
SSE	1.1	.8	.7	.3	.0							3.8	5.7
S	2.1	2.4	1.8	1.5	.3	.0						8.3	7.1
SSW	2.0	1.8	1.3	1.4	.7	.4	.0					7.6	8.7
SW	1.8	1.5	1.0	1.2	.4	.2						6.1	7.9
WSW	1.2	.6	.3	.2								2.4	4.8
W	1.1	.6	.2	.1	.0							2.0	4.0
WNW	.9	.6	.1	.2	.1	.0		.0				1.8	5.6
NW	.8	.3	.2	.1	.1	.0	.0	.0				1.6	6.2
NNW	.5	.3	.0	.1								.9	4.0
VARBL													
CALM												28.0	
	25.9	21.2	13.5	8.5	2.1	.8	.1	.0				100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 7198

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 69-70.73-90 YEARS OCT MONTH  
ALL WEATHER CLASS 0000-2400 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.2	.5	.4								5.3	4.3
NNE	4.5	1.5	1.1	.9	.4							8.4	5.4
NE	3.9	2.0	1.7	.5	.1							8.3	5.0
ENE	2.2	1.2	1.1									4.4	4.5
E	2.4	1.2	.6	.1								4.3	4.1
ESE	.6	.9	.2									1.6	4.4
SE	.2	.1	.1	.1		.1						.6	9.5
SSE	.4	.2	.2	.2								1.1	6.1
S	1.4	1.3	1.5	1.6	.6	.3						6.6	9.3
SSW	.5	.8	.5	1.0	.1							2.9	8.3
SW	1.0	.8	.3	.3								2.4	5.4
WSW	1.0	.5	.1									1.6	3.2
W	1.1	1.1	.2									2.4	3.9
WNW	.9	.6		.1	.1	.1						1.8	5.7
NW	1.5	.9		.2	.4							3.0	5.8
NNW	1.2	.4	.3	.2								2.2	5.3
VARBL													
CALM												42.9	
	25.8	14.5	8.6	5.7	1.8	.5						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24112 NELLIS AFB NV 69-70, 73-80 OCT  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
0300-2500  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	1.9	.8	.2								6.6	3.8
NNE	2.9	1.0	.4	.5	.1							4.7	4.8
NE	4.3	1.1	.5	.4								6.3	3.8
ENE	2.8	1.5	.9	.3								5.5	4.7
E	1.8	1.4	.4									3.7	3.8
ESE	.5	.6										1.2	3.5
SE	.9	.2										1.1	2.3
SSE	.2	.2	.2	.2								.9	7.6
S	1.5	.9	.9	1.0	.5	.2	.1					4.8	9.0
SSW	.9	.8	.5	.5	.6	.1						3.4	9.2
SW	1.3	1.2	.1	.2								2.8	4.3
WSW	1.0	.8										1.7	2.9
W	1.4	.3		.1								1.8	2.9
WNW	.6	.6	.3	.1	.1							1.8	5.9
NW	1.5	.6	.1	.2	.3							2.8	5.8
NNW	1.3	.9	.6	.3								3.1	5.0
VARBL													
CALM												47.5	
	26.6	13.9	5.7	4.2	1.7	.3	.1					100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 NELLIS AFB NV 69-70, 73-80 OCT  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
0600-0800  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.4	.2	.2								2.8	3.8
NNE	1.6	1.0	.3	.6	.1							3.7	6.1
NE	2.3	.8	1.1	.6								4.7	5.6
ENE	1.1	1.3	1.5	.1								4.0	5.8
E	1.8	.9	.4									3.1	3.8
ESE	.9											.8	2.1
SE	.6	.2	.1									1.0	3.6
SSE	1.1			.3	.1							1.5	5.9
S	1.8	.9	.9	1.8	.5	.2						6.1	9.2
SSW	2.7	1.0	.5	.5	.1							4.8	5.1
SW	2.8	1.2	.1			.1						4.2	3.4
WSW	.6	.6	.1	.1								1.5	4.4
W	.9	.6	.1	.1								1.7	4.4
WNW	1.2	.6	.1	.2		.1						2.3	5.3
NW	.9	1.1	.1	.4	.1							2.6	5.8
NNW	.4	.5	.2	.4								1.6	7.1
VARBL													
CALM												53.7	
	22.5	11.1	5.8	5.6	1.0	.4						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22112 STATION NELLIS AFB NV STATION NAME 69-70.73-80 YEARS CCT  
MONTH 0900-1100  
HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.9	.4	.1	.3							2.4	7.3
NNE	.5	.6	1.4	2.3	.8	.2						5.8	11.6
NE	1.4	1.4	3.0	3.4	.5							9.8	9.4
ENE	1.0	.6	3.7	1.2								6.5	8.2
E	1.6	1.9	1.7	.1								5.4	5.2
ESE	1.1	1.2	.3									2.6	4.0
SE	1.3	1.1	.5	.3								3.2	4.8
SSE	1.3	.4	.3		.1							2.2	4.5
S	2.6	1.1	.6	1.7	.5	.1						6.7	8.0
SSW	3.0	1.4	1.0	1.6	.8	.2						8.0	7.7
SW	2.6	1.2	.3		.1	.1						4.3	4.2
WSW	1.7	.4	.1	.1								2.4	3.0
W	1.0	.6	.2	.1	.3	.1						2.4	6.9
WNW	1.0	.2		.1	.5	.2						2.0	10.0
NW	.5	.4	.1	.2	.2	.2	.2					1.9	11.6
NNW	.3	.2		.3								.9	7.4
VARBL													
CALM												33.6	
	21.6	13.7	13.8	11.6	4.2	1.2	.2					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV 69-70, 73-80 YEARS OCT MONTH  
1200-1400 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.6	.5	.3	.1							2.6	6.5
NNE	.5	1.2	1.5	2.4	1.1	.2						6.9	11.1
NE	.9	2.3	2.4	2.9	.4							8.8	9.0
ENE	1.9	4.1	3.4	.8								10.2	6.3
E	3.2	4.4	3.0	.3								11.0	5.3
ESE	1.6	3.0	1.2	.3								6.1	5.2
SE	1.6	1.9	1.2	.2								4.9	5.2
SSE	1.2	1.1	.4	.2		.1						3.0	5.6
S	2.8	2.3	1.6	1.9	.4							9.0	7.3
SSW	1.5	1.9	1.1	1.7	1.1	.1						7.4	9.3
SW	1.6	1.2	.3	.8	.8	.3						4.9	8.8
WSW	1.4	.2	.3	.2								2.2	4.9
W	1.1	.5	.4	.3								2.4	5.8
WNW	.3	.4	.2	.6	.4	.3						2.4	11.9
NW	.4	.1		.1	.4	.1						1.2	11.9
NNW	.3	.2	.1	.1								.8	6.0
VARBL													
CALM												16.2	
	21.4	25.5	17.7	13.2	4.7	1.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2112 STATION NELLIS AFB NV 69-70.73-80 YEARS OCT  
MONTH  
1500-1700  
HOURS (L.S.T.)  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	.5	.5	.2	.1						2.0	10.1
NNE	.5	1.9	1.7	1.2	.8	.1						6.2	9.3
NE	1.4	1.7	2.6	1.2	.3							7.2	7.7
ENE	2.5	4.1	3.4	.1								10.1	5.4
E	3.2	4.1	1.7	.1								9.1	4.5
ESE	2.2	2.6	1.4									6.0	4.6
SE	2.6	2.0	1.1	.4								6.1	4.9
SSE	.8	1.0	1.2	.6	.1							3.7	7.3
S	1.8	2.0	1.2	1.8	.9	.1						7.8	8.6
SSW	1.9	3.0	1.2	1.9	1.2	.2						9.5	8.5
SW	1.6	1.7	1.1	1.0	.4							5.8	7.3
WSW	1.0		.6	.4								2.0	6.7
W	1.3	.8	.5	.1	.1	.1						2.9	5.9
WNW	.3	.1	.2	.5	.4							1.6	11.1
NW	.4		.3	1.1	.1							1.9	10.4
NNW	.1	.1	.3	.1								.6	7.5
VARBL													
CALM												17.2	
	21.6	25.7	19.1	11.2	4.5	.6						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 69-70.73-80 YEARS OCT MONTH  
1960-2000 HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	2.6	.6			.1						7.8	3.8
NNE	5.8	4.0	1.0	1.3		.1	.1	.1				12.4	5.4
NE	5.5	2.4	1.2	.3	.1							9.5	4.3
ENE	2.2	2.9	.6									5.7	4.2
E	2.5	2.2	.1									4.7	2.4
ESE	1.0	.3	.3									1.6	3.9
SE	1.3	.8	.2									2.3	3.7
SSE	.3	.4	.3	.4	.2							1.7	9.0
S	1.6	2.2	2.8	2.3	.6							9.5	8.3
SSW	1.3	2.2	1.6	.6	.4							6.1	7.1
SW	.9	1.0	.4	.5								2.8	6.2
WSW	.5	.1		.2								.9	5.0
W	.8	.3	.2	.2	.2							1.7	6.8
WNW	.9	.1	.6	.2	.1							1.9	6.8
NW	1.6	.5	.5	.1								2.8	4.3
NNW	1.7	.6	.4									2.8	3.7
VARBL													
CALM												25.8	
	32.3	22.5	11.1	6.2	1.7	.2	.1	.1				100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 69-70.73-80 YEARS OCT  
MONTH  
2100-2300  
HOURS (L.S.T.)  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.4	.9			.2	.1					3.9	5.8
NNE	4.9	2.5	1.0	.6	.6	.1						9.8	5.5
NE	4.2	2.3	1.2	1.1	.1							8.8	5.2
ENE	2.0	2.5	1.1	.4								5.0	5.1
E	2.5	1.4	.6									4.5	3.9
ESE	1.0	.4	.3									1.7	4.0
SE	.4	.3	.2									1.0	4.4
SSE	.4		.1	.6	.1	.1						1.4	11.0
S	.4	1.1	.6	1.2	.8	.1						4.2	10.9
SSW	1.9	.9	1.6	.4	.1	.2						5.2	6.9
SW	2.2	1.0	.8									3.9	4.1
WSW	.4	.6										1.1	4.0
W	.9	.5	.3	.2								1.9	5.0
WNW	1.0	.3	.1	.1	.1	.1						1.7	6.3
NW	1.3	.3	.3	.1		.1	.1					2.3	5.9
NNW	.6	.4	.4	.1								1.6	5.1
VARBL													
CALM												41.1	
	26.5	14.9	9.6	4.9	1.8	1.0	.2					100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27112 STATION HELLIS AFB NV 69-70.73-80 YEARS OCT MONTH  
ALL WEATHER CLASS ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	2.2	1.1	.6	.2	.1	.1	.0					4.2	5.0
NNE	2.7	1.7	1.0	1.2	.5	.1	.0	.0				7.3	7.1
NE	3.0	1.7	1.7	1.3	.2							7.9	6.4
ENE	1.9	2.3	2.0	.4								6.5	5.6
E	2.4	2.2	1.1	.1								5.7	4.5
ESE	1.1	1.1	.5	.0								2.7	4.4
SE	1.1	.8	.4	.1		.0						2.5	4.7
SSE	.7	.4	.3	.3	.1	.0						1.9	6.9
S	1.7	1.4	1.3	1.7	.6	.1	.0					6.9	8.6
SSW	1.7	1.5	1.0	1.0	.6	.1						5.9	7.8
SW	1.7	1.1	.4	.3	.2	.1						3.9	5.7
WSW	1.0	.4	.2	.1								1.7	4.2
W	1.0	.6	.3	.1	.1	.0						2.2	5.3
WNW	.8	.4	.2	.3	.2	.1						1.9	7.9
NW	1.0	.5	.2	.3	.2	.1	.0					2.3	7.1
NNW	.8	.4	.3	.2								1.7	5.4
VARBL													
CALM												34.8	
	24.8	17.7	11.4	7.8	2.7	.7	.1	.0				100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV 69-70.73-80 YEARS  
ALL WEATHER CLASS  
CONDITION  
NCV MONTH 0000-0200 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	2.0	.8	.3	.1							6.9	4.2
NNE	3.3	1.6	1.3	.6	.4							7.2	5.6
NE	3.0	2.8	.9	1.0								7.7	5.2
ENE	3.0	2.2	2.0	.2								7.4	5.0
E	2.0	1.6	1.4	.2								5.2	5.1
ESE	.8	.7	.3									1.8	4.4
SE	.6	.6										1.1	3.1
SSE	.7			.1								.8	3.0
S	1.3	.9	1.2	1.3	.4	.1						5.3	8.5
SSW	.7	.2	.8	1.2	.4							3.3	10.4
SW	.7	.8	.1									1.6	4.1
WSW	.6	.1										.7	2.7
W	.8	.3										1.1	3.0
WNW	1.0	.4		.1	.6	.7						2.8	11.9
NW	1.9	.8	.6	.6	.6	.2	.1					4.7	8.6
NNW	1.6	.9		.4								2.9	4.9
VARBL													
CALM												39.6	
	25.4	15.8	9.4	6.1	2.6	1.0	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2012 STATION NAME: WELLS AFB NV YEARS: 69-70, 73-80 MONTH: NOV  
CLASS: ALL WEATHER HOURS (L.S.T.): 0300-0500  
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	3.2	1.8	.7	.1								5.8	3.7
NNE	4.3	2.0	1.1	.4	.1							8.0	4.4
NE	1.4	1.3	1.1	.9								4.8	6.4
ENE	2.1	2.0	1.3	.6								6.0	5.3
E	2.7	1.1	1.2	.2								5.2	4.3
ESE	1.4	.3	.1		.1							2.0	4.1
SE	.7	.2	.1	.1								1.1	4.4
SSE	1.4	.1	.1									1.7	2.7
S	1.1	.4	.7	1.3	.1	.1						3.9	8.6
SSW	1.3	.8	.7	.7	.4	.2						4.1	8.8
SW	1.0	.3		.1	.2	.1						1.8	6.9
WSW	1.0	.8		.1		.1						2.0	4.7
W	1.6	.3			.1							2.0	3.7
WNW	1.4	.8	.1	.3	.1	.2	.1					3.1	7.4
NW	1.1	.9	.3	1.0	.2		.2					3.8	9.2
NNW	1.0	.7	.2	.1	.1							2.1	5.2
VARBL													
CALM												42.8	
	26.9	13.9	7.8	6.0	1.6	.8	.3					170.0	3.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 69-70.73-80 YEARS NOV MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	.4	.6	.2								3.4	4.1
NNE	2.9	1.2	.4	.6								5.1	4.4
NE	2.1	1.3	1.6	.6								5.6	5.4
ENE	2.0	.7	1.0	.2								3.9	5.1
E	2.3	1.8	1.8	.6								6.4	5.3
ESE	1.6	.2	.1									1.4	2.9
SE	.6	.1		.1								.8	3.4
SSE	.3	.4	.1	.2								1.6	5.1
S	2.4	1.2	.7	.9	.2							5.4	6.1
SSW	1.7	.6	.3	.7	.8							4.0	5.1
SW	1.7	1.1	.2	.1								3.1	3.8
WSW	1.0	.3	.2									1.6	3.3
W	1.6	.1	.1		.1							1.9	3.5
WNW	1.2	.3	.1	.1	.4							2.2	6.7
NW	1.4	.6	.1	.8	.2	.1						3.2	7.1
NNW	1.4	.4	.2	.1								2.2	4.0
VARBL													
CALM												47.7	
	26.9	10.9	7.6	5.1	1.8	.1						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 69-70.73-80 YEARS NOV MONTH  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.2	.8	.1							1.8	9.5
NNE	.7	.4	1.3	2.6	.6							5.6	10.9
NE	.7	.9	1.8	2.8	.4							6.6	10.3
ENE	.9	1.2	2.4	.7	.1							5.3	7.6
E	1.3	1.7	1.6	.3								4.9	5.8
ESE	1.3	.4	.1									1.9	3.0
SE	.9	.7	.2	.1								1.9	4.4
SSE	.9	.4	.2		.1							1.7	4.5
S	3.1	1.3	.8	.7	.4	.2						6.6	6.5
SSW	3.9	1.6	.2	.6	.6	.6						7.2	6.6
SW	3.4	1.7	.4	.1	.1	.1	.1					6.0	4.8
WSW	1.1	.8			.1		.1					2.1	5.4
W	1.2	.4		.1		.1						1.9	4.6
WNW	.9	.4	.6	.2	.4	.2						2.8	9.2
NW	1.2	.6	.2	.6	.3	.1						3.0	7.9
NNW	.3	.2	.2	.1								.9	5.4
VARBL													
CALM												40.3	
	22.1	13.1	10.3	9.6	3.3	1.3	.2					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 NELLIS AFB NV 69-70, 73-80 NOV  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
1200-1400  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.4	1.0	.4	.1							2.7	7.3
NNE	.8	.7	2.0	3.1	.7	.3						7.6	11.2
NE	1.3	1.6	3.9	5.1	.4							12.3	9.7
ENE	1.4	3.0	4.7	1.2								10.3	7.2
E	2.7	6.0	1.9	.7								11.2	5.4
ESE	1.0	1.4	.8									3.2	5.0
SE	.9	.4	.6	.4								2.3	6.4
SSE	1.2	1.1	.1	.3		.1						2.9	5.5
S	1.9	1.6	.2	1.1	.1							4.9	6.0
SSW	1.7	.8	.9	1.3	.2	.4	.1					5.4	9.6
SW	2.1	.8	.3	.3	.4	.7	.1					4.4	7.7
WSW	1.2	.3	.1	.1	.2	.3						2.3	8.2
W	1.9	.4	.4	.6			.1					3.4	6.0
WNW	.7	.4	.4	.7	.8	.4						3.4	12.5
NW	.4	.6		1.4								2.4	9.7
NNW	.6		.3									.7	4.3
VARBL													
CALM												20.1	
	20.4	12.6	17.7	16.9	3.0	2.0	.3					120.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

23112 STATION NELLIS AFB NV STATION NAME 69-70, 73-80 YEARS NOV  
MONTH 1500-1700  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.5	.2	.1	.1							1.6	5.9
NNE	.2	1.4	1.9	2.0	.6							6.0	9.6
NE	1.4	3.4	4.7	2.6	.3							12.4	8.3
ENE	2.4	4.2	3.6	.4								10.7	5.7
E	2.7	5.6	1.6	.3								10.1	4.9
ESE	1.3	1.4	.6	.3								3.7	5.1
SE	1.1	1.2	.7	.6								3.6	6.0
SSE	.9	.4	.6	.2	.4							2.6	7.8
S	.7	1.0	1.0	.7	.1							3.4	7.7
SSW	2.6	1.7	1.2	1.4	.4	.2						7.6	7.6
SW	1.4	.9	.3	.7	.2	.2						3.8	7.9
WSW	.7	.1		.1	.1							1.0	5.4
W	1.2	1.7	.2	.1								3.2	4.0
WNW	1.6	.4	.3	.9	.6	.1						3.9	8.6
NW	.1	.4	.8	1.2	.6	.2						3.3	12.4
NNW	.4	.6	.2		.1							1.3	5.4
VARBL													
CALM												21.9	
	19.3	25.1	17.7	11.7	3.6	.8						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV STATION NAME 69-70.73-80 YEARS NOV  
MONTH 1900-2000  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	2.2	.3	.3								6.4	3.8
NNE	8.2	6.7	.8	1.0		.1						16.6	4.2
NE	6.2	5.3	1.3	1.1	.1							14.1	4.7
ENE	3.4	3.4	1.7	.1								8.7	4.5
E	2.1	2.1	.7	.1								5.0	4.2
ESE	.6	.4	.1									1.1	3.5
SE	.2	.1	.1	.1								.6	5.8
SSE	.6	.5	.6	.3	.3							2.3	8.1
S	.4	1.1	2.9	1.8	.6	.1						6.9	10.1
SSW	.6	.3	.3	.7	.3	.1						2.3	10.0
SW	.8	.1	.1	.2	.2							1.4	7.3
WSW	.1	.4	.3									.9	6.1
W	.4	.3		.2								1.0	4.9
WNW	.3	.7	.1	.9	.1							2.1	8.7
NW	.7	.3	.4	.1	.1							1.7	6.2
NNW	.9	.9	.6	.4								2.8	6.0
VARBL													
CALM												25.1	
	28.9	25.1	10.3	7.4	1.8	.3						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION HELLIS AFB NV 69-70, 73-80 YEARS NOV MONTH  
2100-2300 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.1	.4	.3	.1							4.6	4.5
NNE	4.0	2.2	.7	1.0	.3							6.2	5.4
NE	5.2	2.8	2.0	1.2								11.2	5.2
ENE	1.9	2.6	2.0	.8								7.2	6.1
E	2.9	2.0	1.6	.2								6.6	4.7
ESE	.4	.6										1.0	3.2
SE	1.0	.6										1.6	3.0
SSE	1.1	.1	.3	.2								1.8	4.9
S	1.9	.8	2.1	1.8	.2	.1						6.9	8.2
SSW	1.2	.7	.9	.4	.3							3.6	7.3
SW	.9	.2	.4	.1	.2							1.8	7.0
WSW	.4	.2	.1									.8	3.7
W	.2	.6		.2	.1							1.1	7.7
WNW	.6	.4	.1	.3	.1							1.6	6.4
NW	.8	.4	.2	.3	.4							2.2	8.3
NNW	.6	.9	.3	.4								2.2	6.3
VARBL													
CALM												37.8	
	25.4	16.1	11.2	7.4	1.9	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

27112 STATION NELLIS AFB NV STATION NAME 69-70,73-80 YEARS NOV MONTH ALL HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.1	.5	.3	.1							4.1	4.7
NNE	3.0	2.0	1.2	1.4	.3	.1						8.0	6.5
NE	2.7	2.4	2.2	1.9	.2							9.3	6.9
ENE	2.2	2.4	2.3	.5	.0							7.4	5.6
E	2.3	2.7	1.5	.3								6.8	5.0
ESE	1.1	.7	.3	.0	.0							2.1	4.2
SE	.7	.5	.2	.2								1.6	4.9
SSE	.9	.4	.2	.2	.1	.0						1.9	5.6
S	1.6	1.0	1.2	1.2	.3	.1						5.4	7.8
SSW	1.7	.8	.7	.9	.4	.2	.0					4.7	8.2
SW	1.5	.7	.2	.2	.2	.1	.0					3.0	6.1
WSW	.8	.4	.1	.0	.1	.1	.0					1.4	5.3
W	1.1	.5	.1	.2	.0	.0	.0					2.0	4.7
WNW	1.0	.5	.2	.4	.4	.2	.0					2.7	9.2
NW	1.0	.6	.3	.7	.3	.1	.0					3.0	8.8
NNW	.8	.6	.3	.2	.0							1.9	5.2
VARBL													
CALM												34.5	
	24.4	17.4	11.5	8.8	2.4	.8	.1					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATTN: WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27112 WILLIS AFB NV STATION NAME 69-70.73-80 YEARS DEC  
MONTH 1000-0200  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	3.5	2.2	1.0	.1	.2							7.0	4.4
NNE	3.8	2.7	.6									7.1	3.5
NE	2.0	2.4	1.0	.2								6.5	4.4
ENE	2.4	1.5	.9	.2								4.9	4.5
E	2.5	1.3	.9	.1								4.7	4.0
ESE	1.3	.2		.1								1.6	3.1
SE	1.7	.2		.1								2.0	2.6
SSE	.4	.1	.2		.1							.9	0.0
S	.9	.3	.4	.8	.8	.1						3.2	10.9
SSW	1.0		.1	.1	.2							1.4	5.8
SW	.8	.4	.1									1.3	3.2
WSW	.5	.1	.1									.8	2.7
W	1.3	.3	.2		.1	.1						2.0	4.9
WNW	1.2	.2	.3	.2								1.9	4.7
NW	1.8	1.1	.5	.2	.1							3.8	4.9
NNW	2.3	1.3	.3	.3	.1							4.3	4.3
VARB.													
CALM												46.6	
	29.2	14.3	6.7	2.5	1.6	.2						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION WELLS AFB NV 69-70.73-80 YEARS DEC MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	1.8	.4		.2	.1						6.8	3.9
NNE	3.8	1.4	.8	.4								6.3	4.1
NE	3.8	2.9	1.2	.2								7.8	4.3
ENE	2.5	1.5	1.3	.3								5.6	5.0
E	3.0	2.5	1.3	.1								6.9	4.4
ESE	.9	.5	.1									1.4	3.2
SE	1.0	.2										1.2	2.5
SSE	.4	.1			.1							.6	4.7
S	1.7	.4	.4	.6	.5	.1						3.9	8.0
SSW	.3	.5	.2	.1								1.2	5.6
SW	1.2	.8		.2								2.2	4.4
WSW	.2	.3										.5	3.6
W	1.2	.3	.1	.3								1.9	4.8
WNW	1.6	.4	.4	.3	.1							2.9	5.5
NW	1.8	1.2	.3	.3								3.7	4.4
NNW	1.5	1.0	.5		.1							3.1	4.6
VARBL													
CALM												44.0	
	28.9	15.9	6.9	3.0	1.1	.2						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 69-70, 73-80 YEARS DEC MONTH  
CLASS ALL WEATHER  
HOURS (L.S.T.) 0600-0800  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	3.2	1.2	.6									5.7	3.3
NNE	1.5	1.7	.1	.1	.2							3.7	4.8
NE	3.2	2.8	1.0	.3								7.3	4.4
ENE	2.2	1.6	.6	.1								4.5	4.5
E	2.6	1.2	1.9	.1								5.8	5.0
ESE	1.5	.9	.1									2.5	3.4
SE	.6	.2	.1		.1							1.1	4.8
SSE	.5	.1		.1								.8	4.4
S	1.1	.3	.6	.9	.4							3.3	8.5
SSW	.9	.1	.1	.1	.1							1.3	5.3
SW	1.2	.5	.2									1.9	3.1
WSW	.3	.6										1.0	4.1
W	1.1	.1	.1									1.3	3.0
WNW	1.2	.2	.1	.4	.3							2.3	7.0
NW	2.5	1.9	.3	.1		.2						5.1	4.5
NNW	1.5	.4	.4	.1								2.5	3.9
VARBL													
CALM												50.1	
	25.7	14.0	6.5	2.4	1.2	.2						100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 NELLIS AFB NV 69-70, 73-80 DEC  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 0900-1100  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.2	.3	.6	.2							2.3	6.0
NNE	.6	.3	.9	1.4	.2	.2						3.7	10.9
NE	.6	.9	1.7	1.1	.5							4.8	9.6
ENE	1.2	1.0	2.2	.5								4.3	6.6
E	1.4	1.6	2.7	.1								5.8	6.2
ESE	1.4	.3	.1									1.6	3.1
SE	.5		.1		.1							.8	5.7
SSE	1.1	.2		.1	.2							1.6	5.2
S	3.1	1.6	.5	.8	.4	.1						6.6	6.0
SSW	4.3	1.8	.2	.3	.2							6.9	3.9
SW	3.9	1.1		.2								5.2	2.9
WSW	2.0	.4	.3									2.8	3.0
W	1.4	.4	.3									2.2	3.4
WNW	.9	.1		.3	.2							1.5	6.9
NW	.2	.2		.6	.1							1.2	10.9
NNW	.4	.1		.2								.8	5.6
VARBL													
CALM												47.4	
	24.0	10.3	9.4	6.3	2.3	.3						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

20112 WELLIS AFB NV 69-70.73-80 DEC  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 1200-1400  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.6		1.0	.2							2.4	8.7
NNE	.5	.3	1.9	2.9	.3	.1						6.1	11.0
NE	1.2	1.4	3.1	3.0	1.1	.1						9.9	10.1
ENE	.9	2.9	3.0	1.3	.1							8.2	7.5
E	1.5	3.5	1.9	.1								7.1	5.5
ESE	1.7	.8	.6									3.1	3.9
SE	1.0		.3	.1								1.4	4.6
SSE	.9	.2				.1						1.2	4.4
S	1.8	1.2	.6	.8	.2	.1						4.7	6.7
SSW	2.8	1.5	.3	.3	.5	.3	.1					5.9	6.8
SW	2.5	1.1		.3	.2		.1					4.2	5.1
WSW	1.2	.4				.2						1.8	5.4
W	1.4	.4	.5									2.4	3.8
WNW	.6	.3	.2	.2	.4							1.8	8.9
NW	.9	.5	.4	.3	.1							2.3	6.1
NNW	.5		.1	.2								.9	5.4
VARBL													
CALM												36.7	
	19.9	15.3	13.2	10.5	3.2	1.0	.2					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22112 STATION NELLIS AFB NV STATION NAME 69-70,73-80 YEARS DEC MONTH 1500-1700 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9	1.0	.6	.1							2.9	8.7
NNE	1.4	1.6	2.2	1.9	.3							7.4	6.1
NE	2.3	3.3	4.4	1.6	.2							11.9	7.1
ENE	2.2	4.5	2.7	.6								10.0	5.6
E	3.0	5.6	1.3									9.9	4.5
ESE	1.4	1.0	.5	.2								3.1	4.8
SE	.2	.6	.3	.2								1.4	7.2
SSE	.8		.2	.1								1.1	4.6
S	1.7	.4	1.0	.5								3.7	5.7
SSW	3.2	1.2	.2	.3	.1	.2	.1					5.4	5.4
SW	1.4	.6	.2	.1	.1	.3	.4					3.2	9.6
WSW	.9	.1		.1	.1							1.2	5.0
W	1.2	.4	.3	.3								2.3	4.7
WNW	1.4	.9		.5	.4	.1	.1					3.4	8.1
NW	.8	.3	.1	.1	.1							1.4	5.5
NNW	.6		.1		.1							.9	5.1
VARBL													
CALM												30.8	
	22.7	21.6	14.5	7.4	1.6	.6	.6					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION HELLIS AFB NV 69-70.73-80 YEARS 3LC MONTH 1999-2000  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.7	3.3	.9	.2	.4							11.5	4.2
NNE	8.5	5.7	1.1	.6								16.0	3.8
NE	7.0	5.9	1.4	.2	.1	.1						14.8	4.2
ENE	3.2	3.8	1.8	.4								9.3	4.9
E	2.0	2.0	.5	.1								4.7	4.2
ESE	.6	.1										.8	2.6
SE	.3	.4	.1									.9	4.1
SSE	.2		.2	.4								.9	9.0
S	.9	.2	1.1	1.3	.8	.1						4.3	10.6
SSW	.2	.4		.2	.1							1.0	7.7
SW	.4	.1	.2	.2		.1						1.1	7.3
WSW	.1			.2								.3	8.7
W	.9		.2	.2								1.3	4.7
WNW	.1	.2	.3	.4	.2							1.3	10.2
NW	.5	.4	.3	.2	.3							1.8	8.0
NNW	1.0	.5	.3									1.8	4.4
VARBL													
CALM												28.3	
	32.8	23.3	8.5	4.9	1.9	.3						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23112 STATION NELLIS AFB NV 69-70, 73-80 YEARS DEC MONTH  
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	3.0	2.8	.9	.4	.3							7.4	5.2
NNE	3.9	2.2	.9	.8	.1	.1						6.6	4.9
NE	3.5	3.8	1.9	.1			.1					9.4	4.9
ENE	2.0	3.3	1.2	.3								7.8	4.5
E	1.6	2.4	1.2									5.2	4.6
ESE	.6	.4	.1									1.2	3.7
SE	.4	.1	.1	.1								.8	5.0
SSE	.6	.4	.1	.2								1.4	5.2
S	1.0	.2	.5	1.3	.2	.2						3.5	10.2
SSW	1.7	.4	.3	.1	.1							2.7	4.6
SW	.5	.6	.1	.1								1.4	4.5
WSW	.5											.6	1.8
W	1.0	.2		.4								1.6	5.3
WNW	.9	.4	.2		.3							1.8	6.4
NW	1.2	.2	.3	.5	.1							2.4	6.9
NNW	1.8	.9	.1									2.8	3.1
VARBL													
CALM												41.4	
	25.4	19.2	8.0	4.4	1.2	.3	.1					106.0	3.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT & WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 STATION NELLIS AFB NV STATION NAME 69-70, 73-80 YEARS DEC MONTH ALL HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	1.6	.6	.4	.2	.0						5.7	4.9
NNE	3.2	2.1	1.0	1.0	.1	.1						7.4	5.8
NE	3.1	2.9	1.9	.8	.2	.0	.0					9.0	6.0
ENE	2.2	2.5	1.7	.5	.0							6.9	5.5
E	2.2	2.5	1.5	.1								6.3	4.8
ESE	1.2	.5	.2	.0								1.9	3.7
SE	.7	.2	.1	.1	.0							1.2	4.4
SSE	.6	.1	.1	.1	.1	.0						1.0	5.4
S	1.5	.6	.7	.9	.4	.1						4.1	8.1
SSW	1.8	.8	.2	.2	.2	.1	.0					3.2	5.3
SW	1.5	.7	.1	.1	.0	.1	.1					2.6	5.0
WSW	.7	.3	.1	.0	.0	.0						1.1	4.0
W	1.2	.3	.2	.2	.0	.0						1.9	4.3
WNW	1.0	.3	.2	.3	.3	.0	.0					2.1	7.1
NW	1.2	.7	.3	.3	.1	.0						2.7	5.7
NNW	1.2	.5	.2	.1	.0							2.1	4.3
VARBL													
CALM												40.7	
	25.9	16.7	9.2	5.2	1.8	.4	.1					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 7432

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23112 WELLIS AFB NV 69-70, 73-81 ALL  
STATION STATION NAME YEARS MONTH  
INSTRUMENT  
CLASS  
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE.  
CONDITION  
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE.  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.1		1.1									2.3	4.6
NNE		.6			.6	1.1	.6	.6				3.4	22.6
NE		1.1	.6	.6		.6						2.2	11.6
ENE	1.1	5.6	5.6									12.4	6.2
E	1.1	7.3	5.6									14.1	6.4
ESE	.6		.6	.6								1.7	8.3
SE	.6	.6										1.1	3.5
SSE		.6										.6	5.2
S	.6	2.3	.6	1.1		.6						5.1	9.4
SSW	1.1	1.7	.6	.6	.6	4.0	2.3					12.7	18.4
SW	.6			.6	1.1	1.7	1.7	1.1				6.8	24.2
WSW						2.8	1.7					4.5	26.3
W				1.1	.6	.6						2.3	17.3
WNW	.6							.6				1.1	18.5
NW	2.3	.6	.6		.6		1.1					5.1	11.4
NNW	1.1											1.1	2.2
VARBL													
CALM												24.9	
	10.7	20.3	15.3	4.5	3.4	11.3	7.3	2.3				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 177

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

27112 NELLIS AFB NV 69-70, 73-81  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
ALL  
MONTH  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.1	.4	.3	.1	.0	.0					4.2	4.9
NNE	2.4	1.6	.8	.9	.3	.1	.0	.0				6.2	6.5
NE	2.5	2.1	1.6	1.1	.2	.0	.0					7.6	6.5
ENE	2.2	2.2	1.7	.5	.0	.0	.0					6.4	5.7
E	2.3	2.6	1.5	.2	.0	.0						6.6	5.0
ESE	1.2	1.1	.8	.2	.0	.0	.0					3.3	5.4
SE	1.0	.9	.7	.3	.0	.0	.0					3.0	5.8
SSE	.8	.7	.6	.5	.1	.0	.0	.0				2.8	7.3
S	2.0	2.0	2.3	2.3	.6	.2	.0	.0				9.4	8.6
SSW	1.9	1.8	1.7	1.7	.6	.2	.1	.0	.0			8.0	8.7
SW	1.7	1.5	1.0	1.2	.5	.2	.0	.0		.0		6.1	8.3
WSW	1.0	.7	.4	.4	.1	.0	.0	.0				2.7	6.8
W	1.2	.7	.4	.2	.1	.0	.0	.0				2.5	5.4
WNW	.5	.5	.3	.3	.2	.1	.0	.0				2.2	7.6
NW	.9	.5	.3	.4	.2	.1	.0	.0				2.6	8.2
NNW	.3	.5	.2	.1	.0	.0	.0					1.7	5.2
VARBL													
CALM												24.6	
	24.5	20.6	14.9	10.8	3.3	1.1	.2	.0	.0			100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 67623



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1960.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 5/16	≥ 1/8
NO CEILING														
1800														
1500					91.0									92.6
1200														
1000														
900														
800														
700														
600														
500									97.4					98.1
400														
300														
200														
100														
0					95.4		96.9			98.3				100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles.

Likewise, the percentage of observations with ceiling  $< 500$  feet and/or visibility  $< 1$  mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

USAF CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/ETAC

# CEILING VERSUS VISIBILITY

STATION  
12

STATION NAME  
WILLIS AFB TX

YEARS  
70, 71

MONTH  
JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)  
000 - 2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING	6.6	76.3	74.3	76.3	74.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 20000	2.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 18000	2.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 16000	2.4	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 14000	4.3	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 12000	3.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 10000	1.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 9000	1.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 8000	2.3	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 7000	3.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 6000	4.3	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 5000	5.3	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 4500	5.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 4000	5.3	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 3500	6.2	96.2	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000	7.3	97.4	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2500	7.3	97.7	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2000	7.4	98.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	7.5	98.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1600	7.3	98.7	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	8.1	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	8.1	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	8.1	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	8.1	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	8.1	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	8.1	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	8.1	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	8.1	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	8.1	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	8.1	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	8.1	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	8.1	98.9	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 93

AL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 12

ELLIS AFB NV

75,75-51

JA

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-100  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING ≥ 20000	5.4	75.6	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.9	75.9	75.9	75.9	75.9
≥ 18000 ≥ 6000	1.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6
≥ 14000 ≥ 2000	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 10000 ≥ 1000	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 8000 ≥ 7000	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 6000 ≥ 5000	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 4500 ≥ 4000	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 3500 ≥ 3000	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 2500 ≥ 2000	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 1800 ≥ 1500	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 1200 ≥ 1000	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 900 ≥ 800	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 700 ≥ 600	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 500 ≥ 400	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 300 ≥ 200	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2
≥ 100 ≥ 0	1.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.2	82.2	82.2

TOTAL NUMBER OF OBSERVATIONS

AL CLIMATOLOGY BRANCH

TAC

TECH SERVICE A/C

# CEILING VERSUS VISIBILITY

2 12

WILLIAM AFB NV

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1970-1980  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000	68.1	68.4	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 18000 ≥ 15000	68.5	75.3	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 14000 ≥ 12000	68.5	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 10000 ≥ 8000	68.5	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000 ≥ 4000	68.5	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000 ≥ 2000	68.5	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1500 ≥ 1000	68.5	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 800 ≥ 600	68.5	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400 ≥ 300	68.5	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 200 ≥ 100	68.5	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 0	68.5	76.9	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS 970

AL CLIMATOLOGY BRANCH  
 ETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

112

WELLIS AFB NV

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

200-11  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	66.1	66.3	66.3	66.5	66.5	66.5	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	74.4	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 18000	75.4	75.1	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 16000	76.3	77.1	77.1	77.2	77.2	77.2	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000	77.6	81.1	81.1	81.2	81.2	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 12000	84.3	84.6	84.7	84.8	84.8	84.8	84.8	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 10000	87.1	87.5	87.6	87.7	87.7	87.7	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 9000	7.6	88.2	88.3	88.4	88.4	88.4	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 8000	87.8	90.0	90.1	90.2	90.2	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 7000	90.3	90.9	91.0	91.1	91.1	91.1	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 6000	91.1	92.0	92.2	92.3	92.3	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 5000	92.6	93.2	93.3	93.4	93.4	93.4	93.4	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 4500	94.1	93.4	93.5	94.0	94.0	94.0	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 4000	94.4	95.1	95.2	95.6	95.7	95.7	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 3500	94.4	95.2	95.3	95.7	95.9	95.9	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000	94.5	95.6	95.7	96.2	96.5	96.5	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500	94.7	96.3	96.6	97.1	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2000	94.9	97.1	97.2	97.7	98.0	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	95.4	97.0	97.2	97.7	98.0	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1600	95.4	97.4	97.7	98.4	98.6	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1400	95.4	97.4	97.7	98.5	98.7	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	95.4	97.4	97.7	98.5	98.7	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	95.4	97.4	97.7	98.5	98.8	98.8	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 900	95.4	97.4	97.7	98.5	98.8	98.8	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 800	95.5	97.5	97.8	98.7	99.0	99.0	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 700	95.5	97.5	97.8	98.7	99.0	99.0	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 600	95.5	97.5	97.8	98.7	99.0	99.0	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 500	95.5	97.5	97.8	98.7	99.0	99.0	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 400	95.5	97.5	97.8	98.7	99.0	99.0	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	95.5	97.5	97.8	98.7	99.0	99.0	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200	95.5	97.5	97.8	98.7	99.0	99.0	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 100	95.5	97.5	97.8	98.7	99.0	99.0	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 0	95.5	97.5	97.8	98.7	99.0	99.0	99.1	99.4	99.4	99.8	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 112

AL CLIMATOLOGY BRANCH  
TAC  
NATIONAL SERVICE CENTER

# CEILING VERSUS VISIBILITY

12

ELLIOTT AFB, MS

70,77-91

JAN

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-1400  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15	≥ 16
NO. OBS.	4.0	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 2000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1800	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1600	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1400	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1200	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 900	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 800	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 700	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 600	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 450	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 400	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 350	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 250	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 200	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 180	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 150	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 120	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 90	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 80	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 70	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 60	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 50	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 40	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 30	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 20	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 10	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 97



U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFM-ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2012

WELLIN AFB NV

73,73-61

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1973-1976  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 2000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1800	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 1600	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 1400	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1200	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 800	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 700	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 600	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 500	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 450	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 400	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 350	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 300	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 250	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 200	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 180	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 160	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 140	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 120	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 90	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 80	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 70	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 60	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 50	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 40	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 30	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 20	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 371

ALBUQUERQUE AIRCRAFT

121ST AIR SERVICE GROUP

# CEILING VERSUS VISIBILITY

12

ELLIS AFB TX

73-73-91

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1957-1957  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15	≥ 16
≥ 20000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 18000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 16000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 12000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 10000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 9000	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 8000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 7000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 6000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 5000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4500	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 4000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 3500	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1600	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1400	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS

97

AL CLIMATOLOGY BRANCH  
 ETAC  
 STATE SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
 2 112

STATION NAME  
 WILLIS AFB NV

YEARS  
 70, 77-81

MONTH  
 04

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-000  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 20000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 18000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 16000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 14000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 12000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 10000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 9000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 8000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 7000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 6000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 5000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 4500	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 4000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 3500	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 3000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 2500	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 2000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 1800	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 1500	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 1200	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 1000	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 900	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 800	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 700	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 600	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 500	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 400	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 300	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 200	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 100	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
≥ 0	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3

TOTAL NUMBER OF OBSERVATIONS

U.S. AIRCRAFT LOGIC KALON  
T-1  
NATION SERVICE/140

# CEILING VERSUS VISIBILITY

STATION  
12

STATION NAME  
CELI

YEARS  
77-81

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEE  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .00
≥ 27000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 8000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 2500	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 2000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 1800	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 1500	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 1200	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 1000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 900	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 800	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 700	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 600	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 500	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 400	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 300	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 200	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 100	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 50	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7

TOTAL NUMBER OF OBSERVATIONS 744

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

0-12  
 STATION

WILLIAMS AFB TX

STATION NAME

70,77-81

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-1200  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
NO CEILING	77.3	79.9	86.3	91.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 27000	6.3	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 18000	6.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 15000	7.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 14000	8.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 12000	10.3	90.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 10000	13.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 9000	13.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 8000	14.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 7000	15.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 6000	16.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 5000	17.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 4500	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 4000	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 3500	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 3000	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2000	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 400	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 300	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 200	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 100	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 0	17.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 54

AL CLIMATOLOGY BRANCH

WFO

STATISTICS SERVICE

# CEILING VERSUS VISIBILITY

112

WILLIAMSBURG, VA

70, 73-91

50

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO RECORD	77.3	77.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000	3.7	33.1	33.7	33.0	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 1800	3.7	33.7	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 1700	4.3	34.3	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 1600	5.2	35.2	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 1500	8.7	39.1	37.2	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 1400	11.5	41.0	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 1300	11.6	41.6	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 1200	12.6	42.6	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 1100	13.7	43.7	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 1000	15.4	45.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 900	16.3	46.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 800	16.3	47.5	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 700	16.3	47.5	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 600	17.3	47.9	48.3	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 500	17.4	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 400	17.4	48.3	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 300	17.4	48.3	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 200	17.4	48.3	49.1	49.1	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 100	17.4	48.5	49.2	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 0	17.4	48.5	49.2	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 1000	17.4	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 900	17.4	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 800	17.4	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 700	17.4	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 600	17.4	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 500	17.4	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 400	17.4	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 300	17.4	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 200	17.4	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 100	17.4	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 0	17.4	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6

TOTAL NUMBER OF OBSERVATIONS 49

# CEILING VERSUS VISIBILITY

STATION

WILLIAMSBURG

STATION NAME

70, 77-81

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-1800  
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 20000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 18000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 16000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 14000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 12000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 10000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 9000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 8000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 7000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 6000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 5000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 4500	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 4000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3500	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 2500	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 2000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1800	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1500	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1200	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1000	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 900	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 800	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 700	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 600	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 500	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 400	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 300	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 200	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 100	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 0	71.5	71.5	71.5	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0

TOTAL NUMBER OF OBSERVATIONS 14

AF CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12

WILLIS AFB TX

70,77-51

Feb

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-1400  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.25	≥.1	≥.05	≥.01	≥0
NO CEILING	70.3	70.4	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 20000	70.3	70.4	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 18000	1.2	1.3	1.3	1.3	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 16000	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8
≥ 14000	4.5	4.6	4.6	4.6	4.9	4.9	4.9	4.9	4.9	5.1	5.1	5.1	5.1	5.1	5.1	5.1
≥ 12000	7.1	7.1	7.1	7.1	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5
≥ 10000	9.4	9.3	9.3	9.3	9.9	9.9	9.9	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 9000	9.7	9.9	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
≥ 8000	9.2	9.3	9.3	9.3	9.7	9.7	9.7	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8
≥ 7000	9.2	9.3	9.3	9.3	9.5	9.5	9.5	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6
≥ 6000	3.5	3.4	3.4	3.4	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8
≥ 5000	4.1	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
≥ 4500	4.4	4.3	4.3	4.3	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8
≥ 4000	4.3	4.1	4.1	4.1	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7
≥ 3500	5.4	5.3	5.3	5.3	5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8
≥ 3000	5.7	5.7	5.7	5.7	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0
≥ 2500	5.3	5.2	5.2	5.2	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7
≥ 2000	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 1800	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 1500	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 1200	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 1000	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 900	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 800	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 700	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 600	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 500	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 400	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 300	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 200	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 100	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
≥ 0	6.1	6.0	6.0	6.0	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4

TOTAL NUMBER OF OBSERVATIONS 64



# CEILING VERSUS VISIBILITY

STATION

WILLIAMS AFB

STATION NAME

70,73-F1

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	5.1	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.6	6.6	6.6
≥ 20000	7.3	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.3	8.3	8.3	8.4	8.4	8.4
IV 18000	1.4	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
IV 16000	2.4	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.9	2.9	2.9
IV 14000	4.4	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.8	4.8	4.8	4.9	4.9	4.9
IV 12000	7.3	7.7	7.7	7.7	7.7	7.7	7.8	7.8	7.8	7.9	8.0	8.0	8.0	8.1	8.1	8.1
IV 10000	9.3	9.7	9.7	9.7	9.7	9.7	9.8	9.8	9.8	9.9	10.0	10.0	10.0	10.1	10.1	10.1
IV 9000	10.7	10.8	10.8	10.8	10.8	10.8	10.9	10.9	10.9	11.0	11.0	11.0	11.0	11.1	11.1	11.1
IV 8000	12.1	12.1	12.1	12.1	12.1	12.1	12.3	12.3	12.3	12.3	12.4	12.4	12.4	12.5	12.5	12.5
IV 7000	13.1	13.6	13.6	13.6	13.6	13.6	13.7	13.7	13.7	13.7	13.9	13.9	13.9	14.1	14.1	14.1
IV 6000	14.1	14.3	14.3	14.3	14.3	14.3	14.4	14.4	14.4	14.4	14.6	14.6	14.6	14.7	14.7	14.7
IV 5000	15.1	15.3	15.3	15.3	15.3	15.3	15.4	15.4	15.4	15.4	15.6	15.6	15.6	15.7	15.7	15.7
IV 4500	16.1	16.3	16.3	16.3	16.3	16.3	16.4	16.4	16.4	16.4	16.6	16.6	16.6	16.7	16.7	16.7
IV 4000	17.1	17.3	17.3	17.3	17.3	17.3	17.4	17.4	17.4	17.4	17.6	17.6	17.6	17.7	17.7	17.7
IV 3500	18.1	18.4	18.4	18.4	18.4	18.4	18.5	18.5	18.5	18.5	18.7	18.7	18.7	18.8	18.8	18.8
IV 3000	19.1	19.2	19.2	19.2	19.2	19.2	19.3	19.3	19.3	19.3	19.5	19.5	19.5	19.6	19.6	19.6
IV 2500	20.1	20.3	20.3	20.3	20.3	20.3	20.4	20.4	20.4	20.4	20.6	20.6	20.6	20.7	20.7	20.7
IV 2000	21.1	21.3	21.3	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.6	21.6	21.6	21.7	21.7	21.7
IV 1800	22.1	22.3	22.3	22.3	22.3	22.3	22.4	22.4	22.4	22.4	22.6	22.6	22.6	22.7	22.7	22.7
IV 1500	23.1	23.3	23.3	23.3	23.3	23.3	23.4	23.4	23.4	23.4	23.6	23.6	23.6	23.7	23.7	23.7
IV 1200	24.1	24.3	24.3	24.3	24.3	24.3	24.4	24.4	24.4	24.4	24.6	24.6	24.6	24.7	24.7	24.7
IV 1000	25.1	25.3	25.3	25.3	25.3	25.3	25.4	25.4	25.4	25.4	25.6	25.6	25.6	25.7	25.7	25.7
IV 900	26.1	26.3	26.3	26.3	26.3	26.3	26.4	26.4	26.4	26.4	26.6	26.6	26.6	26.7	26.7	26.7
IV 800	27.1	27.3	27.3	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.6	27.6	27.6	27.7	27.7	27.7
IV 700	28.1	28.3	28.3	28.3	28.3	28.3	28.4	28.4	28.4	28.4	28.6	28.6	28.6	28.7	28.7	28.7
IV 600	29.1	29.3	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.6	29.6	29.6	29.7	29.7	29.7
IV 500	30.1	30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.6	30.6	30.6	30.7	30.7	30.7
IV 400	31.1	31.3	31.3	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.6	31.6	31.6	31.7	31.7	31.7
IV 300	32.1	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.6	32.6	32.6	32.7	32.7	32.7
IV 200	33.1	33.3	33.3	33.3	33.3	33.3	33.4	33.4	33.4	33.4	33.6	33.6	33.6	33.7	33.7	33.7
IV 100	34.1	34.3	34.3	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.6	34.6	34.6	34.7	34.7	34.7
IV 0	35.1	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.6	35.6	35.6	35.7	35.7	35.7

TOTAL NUMBER OF OBSERVATIONS 341

AL CLIMATOLOGY BRANCH

ETAC

DATA SERVICE/MAO

# CEILING VERSUS VISIBILITY

STATION

LLIC APR 71

70,77-81

FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	64.4	64.9	64.4	64.9	64.9	64.3	64.9	64.9	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 20000	74.9	78.7	73.1	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 18000	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 16000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 14000	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 12000	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 10000	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 9000	90.4	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 8000	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 7000	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 6000	95.1	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 5000	96.1	96.3	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4500	96.2	96.9	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 4000	96.5	97.4	97.6	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 3500	96.7	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 3000	97.4	98.3	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	97.4	98.3	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	97.6	98.7	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

AFCEC/STOLOGY BRANCH  
TAC  
STATION SERVICE/MAO

# CEILING VERSUS VISIBILITY

STATION  
12

WELLS AFB TX

STATION NAME

73-73-81

YEARS

FL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-0000  
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 20000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 18000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 16000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 14000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 12000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 10000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 9000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 8000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 7000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 6000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 5000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 4500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 4000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 3500	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 3000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 2000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

140

USAF ETAC

FORM  
101-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY BRANCH  
ETAC  
DATA SERVICE/MAC

# CEILING VERSUS VISIBILITY

102  
STATION

ELLIS AFB NV

70,71-81

YEARS

FILE

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS TEST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0.025	≥0.01
NO CEILING	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 20000	3.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 18000	4.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 16000	6.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 14000	7.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 12000	10.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 10000	12.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	12.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 8000	13.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 7000	14.5	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 6000	16.1	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	16.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	16.3	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	17.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3500	17.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3000	17.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2500	17.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	17.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 1800	17.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 1500	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	18.1	79.9	79.9	79.9	79.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

546

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION  
12

LLIS AFB NV

70,73-81

YEARS

FILE

MONTH

ALL  
HOURS 1-24

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7
≥ 20000	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7
IV 18000	2.1	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
IV 16000	3.1	3.6	3.6	3.6	3.7	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9
IV 14000	5.6	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.1
IV 12000	8.3	8.6	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9
IV 10000	11.1	11.2	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5
IV 9000	1.3	1.3	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9
IV 8000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 7000	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
IV 6000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 5000	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
IV 4500	6.1	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 4000	6.4	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 3500	6.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 3000	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 2500	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 2000	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 1800	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 1500	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 1200	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 1000	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 900	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 800	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 700	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 600	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 500	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 400	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 300	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 200	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 100	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 0	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9

TOTAL NUMBER OF OBSERVATIONS 6763

UNITED STATES CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1212  
STATION

WILLIS AFB TX

70,73-81

YEARS

MAH  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-2400  
HOURS T.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	5.4	30.3	87.6	80.9	8.0	20.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 20000	5.5	34.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 18000	5.6	36.2	87.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 16000	5.7	37.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 14000	5.7	37.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 12000	5.7	39.4	87.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 10000	5.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 9000	5.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 8000	5.3	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 7000	5.4	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 6000	5.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 5000	5.6	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 4500	5.7	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4000	5.7	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3500	5.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3000	5.7	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2500	5.8	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2000	5.9	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800	5.9	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	5.9	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	5.9	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	5.9	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	5.9	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	5.9	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	5.9	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	5.9	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	5.9	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	5.9	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	5.9	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	5.9	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	5.9	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	5.9	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 12

U.S. AIR FORCE  
ETAC  
ATMOSPHERIC SERVICE/ETAC

# CEILING VERSUS VISIBILITY

STATION  
112

WILLIS AFB TX

70,77-81

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23,000  
HOURS (15)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 20000	4.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 18000	5.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 16000	5.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 14000	7.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 12000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 10000	1.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 9000	2.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 8000	2.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 7000	24.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 6000	16.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 5000	6.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 4500	7.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 4000	7.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 3500	17.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3000	18.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2500	18.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2000	19.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	19.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	19.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	19.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	19.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	19.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	19.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	19.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	19.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	19.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	19.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	19.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	19.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	19.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	19.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 23

AL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 12

ELLIS AFB TX

70,73-51

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD OF RECORD  
HOURS 157

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	73.4	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 20000	.5	10.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 18000	1.4	11.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 16000	2.3	12.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 14000	4.3	14.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 12000	7.3	17.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 10000	11.6	21.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 9000	11.0	21.7	91.5	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 8000	12.4	23.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 7000	13.0	23.6	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 6000	14.0	24.4	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 5000	16.2	26.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 4500	16.7	27.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4
≥ 4000	17.2	27.7	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
≥ 3500	17.3	27.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
≥ 3000	17.4	28.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 2500	17.6	28.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
≥ 2000	18.4	28.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 1800	18.4	29.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 1500	18.4	29.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1200	18.4	29.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 1000	18.4	29.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 900	18.4	29.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 800	18.4	29.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 700	18.4	29.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600	18.4	29.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 500	18.4	29.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	18.4	29.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	18.4	29.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	18.4	29.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	18.4	29.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	18.4	29.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 20000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 18000	80.1	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 16000	80.5	80.5	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 14000	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 12000	84.9	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 10000	88.3	88.1	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 9000	88.7	88.8	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 8000	91.6	91.7	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 7000	93.7	93.1	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 6000	95.1	95.1	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 5000	96.2	96.2	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 4500	96.1	96.3	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 4000	97.1	97.3	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 3500	97.3	97.7	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 3000	97.5	98.1	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2500	97.6	98.2	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2000	97.9	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	97.8	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	98.1	98.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	98.1	98.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.1	98.6	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.2	98.9	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.2	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.1	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.1	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.1	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.1	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.1	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.1	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.1	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.1	98.8	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 271

4. METEOROLOGICAL BRANCH  
ETAC  
ATMOSPHERIC SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 12 COLLIER AFB FL STATION NAME 75,77-01 YEARS 46  
1900-1977

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	1.7	61.7	61.7	61.7	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 20000	73.2	73.2	73.3	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 18000	74.2	74.2	74.3	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 16000	75.5	75.5	75.6	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 14000	77.7	77.7	77.8	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 12000	80.6	80.6	80.6	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 10000	84.4	84.4	84.5	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 9000	85.2	85.2	85.3	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 8000	86.4	86.4	86.5	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 7000	88.7	88.7	88.8	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 6000	92.9	92.9	93.1	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 5000	95.3	95.3	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 4500	95.6	95.6	95.8	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4000	96.6	96.6	96.8	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3500	97.6	97.6	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3000	98.4	98.4	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2500	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2000	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	99.0	99.0	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

40 CLIMATOLOGY BRANCH  
 DATA SERVICE MAIL

# CEILING VERSUS VISIBILITY

STATION

WILLIAMS AIRFB

STATION NAME

1977-81

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1970-1979  
 HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 20000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 18000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 16000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 12000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 10000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 9000	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 8000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 7000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 6000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 5000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 4000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3500	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 3000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 970

AL CLIMATE LOGIC BRANCH  
 STATION  
 STATION SERVICE/FAO

# CEILING VERSUS VISIBILITY

STATION  
 112

LLIS AFB NV

73,77-81

DATE  
 12-10-60

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12-10-60  
 HOURS 15

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	51.0	63.3	64.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 20000	5.7	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 18000	7.2	75.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 16000	7.2	75.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 14000	7.2	75.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 12000	5.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	8.7	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 9000	8.7	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 8000	1.1	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 7000	7.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 6000	5.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 5000	6.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 4500	7.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 4000	8.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 3500	8.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 3000	8.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2500	8.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2000	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	8.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

CLIMATE DATA  
SERVICES

# CEILING VERSUS VISIBILITY

STATION  
12

STATION NAME  
WALLINGFORD

YEARS  
75, 77-81

MONTH

DATE  
11-2-82

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 20000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 18000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 16000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 14000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 12000	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 10000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 9000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 8000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 7000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 6000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 5000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 4500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

USAF CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
12

WILLIS AFB TX

STATION NAME

70,77-81

YEARS

MA  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING ≥ 20000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 16000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 14000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1800	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1500	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1200	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1000	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 900	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 800	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 700	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 600	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 500	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 400	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 300	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 200	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 100	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 0	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3

TOTAL NUMBER OF OBSERVATIONS

744

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION NAME: 71,71-11 YEARS: 1971-72 MONTH: 1 HOURS: 1-5

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	7.6	17.6	37.6	57.6	77.6	7.6	17.6	7.6	17.6	17.6	7.6	17.6	17.6	7.6	17.6	7.6
≥ 20000	1.0	21.9	51.0	91.0	91.0	21.9	91.0	21.9	91.0	91.0	21.9	91.0	91.0	21.9	91.0	21.9
≥ 18000	2.6	22.6	42.6	52.6	52.6	42.6	52.6	42.6	52.6	52.6	42.6	52.6	52.6	42.6	52.6	42.6
IV 16000	3.1	23.1	43.1	53.1	53.1	43.1	53.1	43.1	53.1	53.1	43.1	53.1	53.1	43.1	53.1	43.1
≥ 14000	4.1	24.1	54.1	64.1	64.1	54.1	64.1	54.1	64.1	64.1	54.1	64.1	64.1	54.1	64.1	54.1
IV 12000	5.7	25.7	45.7	55.7	55.7	45.7	55.7	45.7	55.7	55.7	45.7	55.7	55.7	45.7	55.7	45.7
≥ 10000	7.1	27.2	47.2	57.2	57.2	47.2	57.2	47.2	57.2	57.2	47.2	57.2	57.2	47.2	57.2	47.2
IV 9000	7.7	27.7	47.7	57.7	57.7	47.7	57.7	47.7	57.7	57.7	47.7	57.7	57.7	47.7	57.7	47.7
≥ 8000	8.3	28.3	48.3	58.3	58.3	48.3	58.3	48.3	58.3	58.3	48.3	58.3	58.3	48.3	58.3	48.3
IV 7000	8.6	28.6	48.6	58.6	58.6	48.6	58.6	48.6	58.6	58.6	48.6	58.6	58.6	48.6	58.6	48.6
≥ 6000	9.0	29.0	49.0	59.0	59.0	49.0	59.0	49.0	59.0	59.0	49.0	59.0	59.0	49.0	59.0	49.0
IV 5000	9.1	29.1	49.1	59.1	59.1	49.1	59.1	49.1	59.1	59.1	49.1	59.1	59.1	49.1	59.1	49.1
≥ 4500	9.4	29.4	49.4	59.4	59.4	49.4	59.4	49.4	59.4	59.4	49.4	59.4	59.4	49.4	59.4	49.4
IV 4000	9.6	29.6	49.6	59.6	59.6	49.6	59.6	49.6	59.6	59.6	49.6	59.6	59.6	49.6	59.6	49.6
≥ 3500	9.7	29.7	49.7	59.7	59.7	49.7	59.7	49.7	59.7	59.7	49.7	59.7	59.7	49.7	59.7	49.7
IV 3000	9.7	29.7	49.7	59.7	59.7	49.7	59.7	49.7	59.7	59.7	49.7	59.7	59.7	49.7	59.7	49.7
≥ 2500	9.8	29.8	49.8	59.8	59.8	49.8	59.8	49.8	59.8	59.8	49.8	59.8	59.8	49.8	59.8	49.8
IV 2000	9.9	29.9	49.9	59.9	59.9	49.9	59.9	49.9	59.9	59.9	49.9	59.9	59.9	49.9	59.9	49.9
≥ 1800	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	10.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 71

40-00000000-00000  
ETAC  
SERVIC/AMAC

# CEILING VERSUS VISIBILITY

STATION

ULLIS, ARIZ

STATION NAME

70,77-41

YEARS

AF 1  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1970-1971  
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	4.9	24.9	64.9	84.9	84.9	4.9	84.9	84.9	34.9	94.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 20000	1.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 18000	1.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 16000	2.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 14000	4.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 12000	5.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 10000	5.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 9000	7.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 8000	8.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 7000	8.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 6000	8.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 5000	9.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4500	9.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	9.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3500	9.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	9.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS



USAF ETAC  
 FORM 10-45 (OL A)  
 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION: ELLIS AFB TX DATE: 7-70-81 MONTH: 7

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 35

1. CEILING FREQUENCY OF OCCURRENCE  
 2. VISIBILITY FREQUENCY OF OCCURRENCE  
 3. TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

CELL 155-11

STATION NAME

73,73-81

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING ≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 18000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 16000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 14000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 12000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 10000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 9000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 8000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 7000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 6000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 4500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 4000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 3500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 3000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 2500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 2000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1800	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1200	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 900	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 800	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 700	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 600	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 400	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 300	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 200	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 100	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAF CLIMATOLOGY DATA CENTER  
 TAC  
 METEOROLOGICAL SERVICE/440

# CEILING VERSUS VISIBILITY

STATION 118 JELLIS ASP WV

70,73-P1

AF

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1202-1402  
 HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .2	≥ .1	≥ 0
NO CEILING	71.7	79.3	79.2	74.2	70.2	70.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 20000	7.3	89.3	89.6	86.6	88.6	88.6	88.6	88.7	88.7	88.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 18000	6.6	89.3	87.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 16000	8.3	89.2	89.4	89.4	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 14000	10.4	89.9	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 12000	12.4	89.9	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 10000	13.7	94.1	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 9000	14.2	94.7	94.9	94.9	94.9	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 8000	15.1	96.6	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 7000	17.2	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	17.7	98.4	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 5000	18.4	99.3	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	18.9	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4000	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	19.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

AL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAG

# CEILING VERSUS VISIBILITY

112  
STATION

WILLIS AFB TX

STATION NAME

70,73-81

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1951  
HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	4.6	74.7	74.5	74.5	74.9	75.1	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 20000	6.6	87.6	87.1	87.1	87.2	87.4	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 18000	7.6	87.4	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 16000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 14000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 12000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 10000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 9000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 8000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 7000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 6000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 5000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4500	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3500	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2500	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1500	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1200	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1000	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 900	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 800	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 700	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 600	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 500	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 400	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 300	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 200	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 100	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 0	7.6	87.5	87.6	87.6	87.7	87.9	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2

TOTAL NUMBER OF OBSERVATIONS 770

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-2000  
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	81.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 20000	81.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 18000	81.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 16000	81.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 14000	81.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 12000	81.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 10000	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 9000	80.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 8000	80.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 7000	80.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 6000	80.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	80.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4500	80.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	80.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 3000	80.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 2500	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2000	79.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1800	79.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1500	79.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1200	79.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1000	79.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 900	79.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 800	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 700	79.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 600	79.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 500	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 400	78.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 300	78.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 200	78.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 100	78.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 0	78.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5

TOTAL NUMBER OF OBSERVATIONS 892

AL CLIMATOLOGY BRANCH  
ETAC  
WATER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12

CELL 13 APR 50

7J, 77-81

APT

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	7.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 20000	1.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 18000	2.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 16000	2.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 14000	4.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 12000	5.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 10000	6.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 9000	7.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 8000	7.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 7000	7.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 6000	8.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 5000	8.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 4500	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 4000	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	9.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC

FORM  
JUL 54

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

73,73-1

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

7107

1. STATION NAME  
2. DATE  
3. SERVICE/FAO

# CEILING VERSUS VISIBILITY

STATION NAME  
DATE

70,77-91

YEARS

DAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FORM 1-64  
5010-107

CEILING FEET	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01
NO CEILING	7.4	7.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 20000	2.2	2.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 18000	2.2	2.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 16000	2.2	2.5	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 14000	4.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 12000	6.2	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 10000	7.2	98.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	3.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 8000	8.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 7000	8.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 6000	9.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 5000	9.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4500	9.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4000	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS



AD-A113 154

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NELLIS AFB, LAS VEGAS, NEVADA. REVISED UNIFORM SUMMARY OF SURFA--ETC(U)  
OCT 81

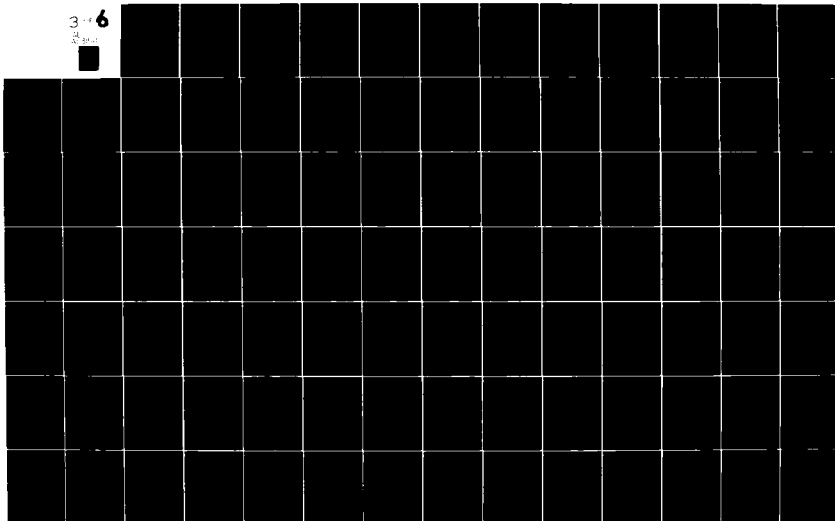
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USAFETAC/DS-81/104

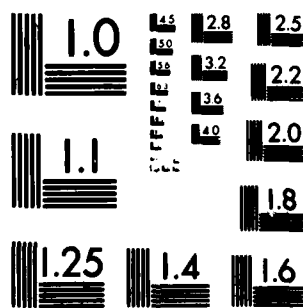
SBI-AD-E850 133

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10-10



13154



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

U.S. AIR FORCE CLIMATOLOGY BRANCH  
ETAC  
NATION SERVICE/HAZ

# CEILING VERSUS VISIBILITY

STATION 112 WELLS AFB NV STATION NAME 70,73-81 YEARS MAY  
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 1960-1961  
HOURS 151

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	34.9	34.7	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 20000	89.6	89.7	89.6	89.6	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 18000	90.3	90.1	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 16000	90.3	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 14000	93.1	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 12000	95.9	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 10000	97.5	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 9000	97.5	97.7	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8000	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 7000	98.2	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 6000	98.3	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 5000	98.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4500	99.1	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4000	99.4	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.4	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 971

AL CLIMATOLOGY BRANCH  
 AFETAC  
 SATERN SERVICE/MAC

# CEILING VERSUS VISIBILITY

12  
 STATION

WILLIS AFB TX

STATION NAME

70,73-81

YEARS

MAY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1600-1800  
 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 20000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 18000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 16000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 14000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 12000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 10000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 9000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 8000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 7000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 5000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4500	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3500	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1800	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1500	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1200	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 1000	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 900	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 800	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 700	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 600	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 500	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 400	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 300	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 200	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 100	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 0	83.3	83.3	83.3	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3

TOTAL NUMBER OF OBSERVATIONS 921

U.S. AIR FORCE  
 AIR FORCE  
 AIR FORCE

# CEILING VERSUS VISIBILITY

STATION

WILLIS AFB NV

STATION NAME

75,77-81

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1955-1956  
 HOURS 157

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	4.5	34.5	84.6	94.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 20000	1.2	21.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 18000	2.3	42.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 16000	2.3	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 14000	4.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 12000	5.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 10000	7.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 9000	7.3	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8000	8.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 7000	8.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 6000	8.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 5000	9.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	9.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	9.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3500	9.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 73

JOINT CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

0-112  
STATION

WELLS AFB TX

STATION NAME

70.73-61

YEARS

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 20000	81.9	89.9	90.1	90.1	91.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 18000	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 16000	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 14000	91.1	91.3	92.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 12000	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 10000	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 8000	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 7000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 6000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 5000	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4500	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

CLIMATE BRANCH  
 12-1  
 12-1  
 12-1

# CEILING VERSUS VISIBILITY

12-12 STATION NAME 70,73-81 YEARS 44 Y MONTH 1500-1700 HOURS 151

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 20000	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 18000	90.3	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 16000	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 14000	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 12000	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 10000	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 9000	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 8000	97.7	97.8	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 6000	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4500	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4000	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 925

JOINT CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

12  
STATION

WILLIS AFB NV

70,73-61

YEARS

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	82.3	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 20000	82.3	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 18000	82.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 16000	82.4	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 14000	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 12000	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 10000	97.3	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 9000	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 8000	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 7000	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 6000	98.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 5000	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 4500	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 4000	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

927

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



U.S. AIR FORCE CLIMATOLOGY BRANCH  
ETAC  
DATA SERVICE/ETAC

# CEILING VERSUS VISIBILITY

STATION  
112

CELLIS 478 WV

STATION NAME

70,73-81

YEARS

MONTH  
MAY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	98.3	98.6	88.6	88.6	88.6	83.6	98.6	88.6	68.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 20000	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 18000	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 16000	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 14000	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 12000	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 10000	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 9000	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 8000	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 7000	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 6000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

AL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

0.12  
STATION

WILLIS AFB NV

STATION NAME

70.73-81

YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (24)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 20000	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 18000	81.7	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 16000	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 14000	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 12000	85.6	85.7	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 10000	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 9000	87.5	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 8000	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 7000	88.4	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 6000	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 5000	89.2	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 4500	89.3	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 4000	89.4	89.8	89.9	89.9	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	89.5	89.8	89.9	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	89.5	89.8	89.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7432

HEADQUARTERS CLIMATOLOGY BRANCH  
ETAC  
OFFICE OF THE SERVICE/ETAC

# CEILING VERSUS VISIBILITY

12  
STATION

WILLIS AFB NV  
STATION NAME

69-70, 73-80  
YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-0100  
HOURS (EST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 20000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 18000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 16000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 14000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 12000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 9000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH  
METAC  
U.S. WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 112  
STATION

WILLIS AFB NV

STATION NAME

69-70,73-80

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (EST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 20000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 18000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 16000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 14000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 12000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 695

# CEILING VERSUS VISIBILITY

U.S. AIR FORCE  
OFFICE OF THE SECRETARY

STATION

69-70,73-81

STATION NAME

69-70,73-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

PERIOD - 1961  
HOURS (5)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 20000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 18000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 16000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 14000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 12000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 10000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 9000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

AL CLIMATOLOGY BRANCH  
ETAC  
WATER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
112

STATION NAME  
WELLIS AFB NV

YEARS  
69-70, 73-80

MONTH  
JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD  
1969-1980  
HOURS 157

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	42.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 20000	5.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 18000	6.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 16000	7.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 14000	8.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 12000	9.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 10000	9.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 9000	9.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

4. CEILING VERSUS VISIBILITY  
 1. STATION  
 2. DATE  
 3. SERVICE AREA

# CEILING VERSUS VISIBILITY

STATION NAME: 65-70,73-30 YEARS: MONTH: 1960-1960

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1960-1960  
 HOURS: 157

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1
NO CEILING	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 20000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 18000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 16000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 14000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 12000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 10000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 9000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 8000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 7000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 6000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 5000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 4500	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 4000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 3500	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 3000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2500	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 2000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1500	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 800	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 700	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 600	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 500	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 400	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 300	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 200	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 100	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 0	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS: 899

U.S. AIR FORCE  
 CLIMATE BRANCH  
 METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 12 STATION NAME FELLIS AFB TX YEARS 69-70, 73-80 MONTH JUN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	5.9	94.3	89.3	86.3	81.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 20000	3.7	74.1	94.1	94.1	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 18000	4.5	95.1	95.1	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 16000	4.3	95.2	95.2	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 14000	6.1	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 12000	7.2	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 10000	8.1	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 9000	8.7	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 8000	8.9	99.3	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 7000	9.1	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 6000	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	9.2	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



AL OCEANOLOGY BRANCH  
 110  
 1000 SERVICE 1140

# CEILING VERSUS VISIBILITY

112  
 STATION

WILLIS AFB TX

STATION NAME

69-70,73-80

YEARS

JUL  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-1100  
 HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING	7.9	97.9	87.9	83.0	65.0	3.0	88.2	28.2	38.2	38.2	68.2	28.2	88.2	38.2	88.2	18.2
IV 20000	3.9	93.9	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 18000	4.4	94.4	94.4	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 16000	4.6	94.6	94.6	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 14000	5.1	95.1	95.1	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 12000	7.4	97.4	97.4	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 10000	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 9000	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 8000	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 7000	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 6000	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 5000	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 4500	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 4000	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3500	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3000	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2500	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2000	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

U.S. AIR FORCE  
METEOROLOGICAL BRANCH  
METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
112

STATION NAME  
WILLIS AFB TX

YEARS  
69-70, 73-80

MONTH  
JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS CST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	94.1	94.3	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 20000	94.1	94.4	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 18000	94.4	94.5	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 16000	94.5	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 14000	96.2	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 12000	97.1	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 10000	99.9	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 9000	99.1	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 8000	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.2	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

U.S. AIR FORCE  
 AIRCRAFT CLIMATOLOGY BRANCH  
 WAFB  
 WEATHER SERVICE/AFM

# CEILING VERSUS VISIBILITY

STATION  
 12

STATION NAME  
 ALLIANCE

67-73,73-87

YEARS

MONTH  
 JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	97.3	93.4	90.4	80.5	70.5	60.5	50.5	40.5	30.5	20.5	10.5	5.5	3.5	2.5	1.5	0.5
≥ 20000	97.2	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 18000	95.6	95.7	95.7	95.7	95.8	95.9	95.8	95.8	95.9	95.8	95.9	95.8	95.9	95.8	95.9	95.9
≥ 16000	95.3	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 14000	97.1	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 12000	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 10000	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 9000	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 8000	99.5	99.7	99.7	99.8	99.8	99.8	99.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 7000	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7195

AL CLIMATOLOGY BRANCH  
 ETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

112  
 STATION

WILLIS AFB TX  
 STATION NAME

59-70,73-80  
 YEARS

JUL  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2400  
 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	5.5	15.5	85.5	25.5	85.5	5.5	85.5	25.5	85.5	5.5	85.5	25.5	85.5	5.5	85.5	25.5
≥ 20000	2.1	88.1	88.1	38.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 18000	87.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 16000	87.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 14000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 12000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 10000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 9000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 8000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 7000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 6000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 971

AF CLIMATOLOGY BRANCH  
TTC  
ATTN: SERVICE/MAT

# CEILING VERSUS VISIBILITY

2 12  
STATION

WILLIAMSBURG

STATION NAME

69-70,73-80

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-0500  
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	5.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 20000	8.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 18000	8.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 16000	8.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 14000	8.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 12000	6.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 10000	9.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 9000	9.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 8000	9.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 7000	9.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2012

WILLIS AFB NV

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-1800  
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .2	≥ .16	≥ .1	≥ 0
NO CEILING	4.6	14.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 20000	8.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 18000	8.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 16000	8.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 14000	9.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 12000	9.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000	9.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 9000	9.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 8000	9.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 7000	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 23

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE METEOROLOGICAL SERVICE  
 ETAC  
 METEOROLOGICAL SERVICE MAP

# CEILING VERSUS VISIBILITY

12  
 STATION

ELLIS AFB TX

STATION NAME

69-70,73-80

YEARS

11  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-110  
 HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 20000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 18000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 16000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 14000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 12000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 10000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 9000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 8000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 7000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 6000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 5000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF CLIMATOLOGY BRANCH  
 AFETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1112  
STATION

WELLIS AFB NV

STATION NAME

69-73,73-80

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LT)

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 20000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 18000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 16000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 14000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 12000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 10000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 9000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 8000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 7000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 5000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4500	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3500	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2500	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1000	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 900	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 800	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 700	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 600	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 500	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 400	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 300	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 200	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 100	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 0	82.9	82.9	82.9	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0

TOTAL NUMBER OF OBSERVATIONS 22



AL CLIMATOLOGY BRANCH  
 15.0  
 ENTER SERVICE/NAI

# CEILING VERSUS VISIBILITY

12  
 STATION

WILLIS AFB NV  
 STATION NAME

69-75,73-80

YEARS

JUL  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥.005	≥.001
NO CEILING	1.4	80.4	60.4	60.4	60.4	10.4	60.4	60.4	30.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 20000	3.4	88.4	82.4	88.4	88.4	38.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 18000	8.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 16000	8.4	88.8	88.8	93.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 14000	3.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 12000	6.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 10000	9.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 9000	9.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 8000	9.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 7000	9.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 6000	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 5000	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	9.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 93

U.S. AIR FORCE  
 AFETAC  
 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2-12  
 STATION

WELLIS AFB NV  
 STATION NAME

69-70, 73-80  
 YEARS

JUL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1900-2000  
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	7.3	80.0	89.7	80.0	83.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 20000	7.4	87.4	97.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 18000	7.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 16000	8.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 14000	3.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 12000	6.0	96.2	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 10000	7.5	97.7	97.8	97.8	97.8	97.8	98.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 9000	8.4	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 8000	8.9	99.1	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	9.3	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 6000	9.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 537

# CEILING VERSUS VISIBILITY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥0
NO CEILING	4.2	34.2	84.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 20000	7.7	27.7	87.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 18000	3.5	15.5	34.5	48.5	58.5	68.5	78.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 16000	8.2	23.2	53.2	68.2	78.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 14000	3.5	13.5	23.5	33.5	43.5	53.5	63.5	73.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 12000	5.1	16.1	26.1	36.1	46.1	56.1	66.1	76.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 10000	2.1	11.1	21.1	31.1	41.1	51.1	61.1	71.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 9000	2.6	11.6	21.6	31.6	41.6	51.6	61.6	71.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 8000	1.3	11.3	21.3	31.3	41.3	51.3	61.3	71.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	1.4	11.4	21.4	31.4	41.4	51.4	61.4	71.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 6000	1.8	11.8	21.8	31.8	41.8	51.8	61.8	71.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 5000	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3000	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2500	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2000	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1800	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1500	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1200	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1000	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 900	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 800	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 700	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 600	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 500	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 400	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 300	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 200	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 100	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 0	1.7	11.7	21.7	31.7	41.7	51.7	61.7	71.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7

TOTAL NUMBER OF OBSERVATIONS 932

AL CLIMATOLOGY BRANCH  
ETAC  
METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
12

WILLIS AFB TX

STATION NAME

69-70,73-80

YEARS

JUL  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 20000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 18000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 16000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 14000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 12000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 10000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 9000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 8000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 7000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 6000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4500	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3500	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1800	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1500	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1200	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 900	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 800	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 700	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 600	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 500	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 400	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 300	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 200	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 100	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 0	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5

TOTAL NUMBER OF OBSERVATIONS 744

AL CLIMATOL Y PA ON

INTER-SERVICE AREA

# CEILING VERSUS VISIBILITY

12 STATION NAME 67-75, 73-67 YEARS 10 MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

750-157  
HOURS 157

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	1.4	21.4	91.4	71.4	51.4	21.4	1.4	21.4	91.4	71.4	51.4	21.4	1.4	21.4	91.4	71.4
≥ 20000	1.4	23.4	53.4	23.4	53.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
IV 18000	23.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 16000	24.7	24.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 14000	26.2	26.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 12000	28.0	28.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 10000	29.1	29.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 9000	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 8000	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 7000	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 6000	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 5000	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 4500	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 4000	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 3500	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 3000	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2500	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2000	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1800	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	29.5	29.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

AL CLIMATOLOGY RPA CH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12  
STATION

WILLIAMS AFB NV

STATION NAME

69-70, 73-80

YEARS

12  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-1500  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 20000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 18000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 16000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 14000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 12000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 10000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 9000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 8000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 7000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 6000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 5000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL COUNCIL TOLSON BRANCH  
 TOLSON  
 ATTORNEY GENERAL

# CEILING VERSUS VISIBILITY

STATION  
 112

STATION NAME  
 FILLIS AFB NV

YEARS  
 69-70, 73-80

MONTH  
 100

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-2600  
 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	3.5	20.6	35.2	48.5	68.8	86.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 20000	1.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
≥ 18000	2.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
≥ 16000	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
≥ 14000	4.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
≥ 12000	7.2	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
≥ 10000	8.4	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥ 9000	12.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 8000	13.4	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	13.8	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 6000	13.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	19.1	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500	19.1	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	19.1	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	19.1	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	19.1	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	19.1	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	19.1	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	19.1	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	19.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 937

CLIMATE CLIMATOLOGY BRANCH  
ETAC  
FATHER SERVICE/44C

# CEILING VERSUS VISIBILITY

STATION

WILLIS AFB TX

STATION NAME

59-75,73-80

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

930-1100  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	80.1	80.3	90.1	90.3	90.3	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 20000	1.7	1.5	97.5	92.0	93.5	92.2	92.2	92.2	92.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 18000	2.3	2.2	93.1	93.1	93.1	93.2	93.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 16000	3.4	3.5	93.5	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 14000	4.3	4.4	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 12000	7.7	7.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 10000	8.2	8.1	98.8	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 9000	8.7	8.1	98.8	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 8000	8.7	8.4	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 7000	8.3	8.7	98.9	98.3	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 6000	5.5	8.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 5000	2.5	8.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 4500	2.3	8.6	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 4000	3.7	8.5	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3500	5.7	8.1	99.7	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3000	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 2500	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 2000	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	3.7	8.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC

FORM 101-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



U.S. AIR FORCE  
METEOROLOGICAL SERVICE

# CEILING VERSUS VISIBILITY

STATION

WILLIS AFB TX

STATION NAME

69-70,73-6

YEARS

ADJ  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1951  
HOURS 15

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	57.3	89.4	87.4	82.4	84.4	85.4	82.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 20000	2.3	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
≥ 18000	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
≥ 16000	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
≥ 14000	4.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 12000	6.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 10000	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
≥ 9000	8.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
≥ 8000	9.1	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
≥ 7000	9.3	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
≥ 6000	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
≥ 5000	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
≥ 4500	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
≥ 4000	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
≥ 3500	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
≥ 3000	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥ 2500	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥ 2000	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥ 1800	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥ 1500	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.8	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 12

AL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12  
STATION

WALLIN AFB NV

STATION NAME

69-72,73-80

YEARS

ADP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1968-1971  
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	7.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 20000	8.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 18000	8.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 16000	9.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 14000	9.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 12000	7.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000	8.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	8.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 8000	9.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 7000	9.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

937

ARMY AIRCRAFT ENGINEERING BRANCH

AVIATION SERVICE/MAINT

# CEILING VERSUS VISIBILITY

STATION 12

ELLIOTT AFB MS

65-70,73-80

YEARS

ALL MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1965-1980  
HOURS 157

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING ≥ 20000	85.7	85.7	85.7	86.8	87.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 18000	81.5	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 16000	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 14000	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 12000	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 10000	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 9000	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 8000	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 7000	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 6000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 5000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 4500	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 4000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 3500	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 3000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2500	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1800	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1500	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1200	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 900	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 800	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 700	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 600	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 500	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 400	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 300	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 200	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 100	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 0	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5

TOTAL NUMBER OF OBSERVATIONS 97

U.S. CLIMATOLOGY BRANCH  
ETAC  
NATIONAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

112  
STATION

WILLIS AFB TX  
STATION NAME

69-70, 73-80  
YEARS

AUG  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING ≥ 20000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 18000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 16000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 14000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 12000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 10000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 9000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 8000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 7000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 6000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 5000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 800	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 700	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 600	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 400	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 300	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 200	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 100	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3

TOTAL NUMBER OF OBSERVATIONS 43

U.S. AIR FORCE CLIMATOLOGY BRANCH

FORM 10-1

NATIONAL SERVICE/MAIL

# CEILING VERSUS VISIBILITY

STATION

WELLIS AFB TX

STATION NAME

69-70,73-80

YEARS

ALL MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 20000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 18000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 16000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 14000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 12000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 10000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 8000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 6000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 5000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

744

USAF ETAC

FORM 10-1

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY BRANCH

AFETAC

WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12

WILLIS AFB TX

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-0200  
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 20000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 18000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 16000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 14000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 12000	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 10000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 9000	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 8000	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 7000	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 6000	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 5000	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 4500	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 4000	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 3500	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 3000	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 2500	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 2000	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 90

U.S. AIR FORCE CLIMATOLOGY BRANCH  
ETAC  
1. INTRODUCTION SERVICE/MAINT

# CEILING VERSUS VISIBILITY

7-112  
STATION

WILLIS AFB TX

STATION NAME

69-72,73-80

YEARS

SET

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

800-1000  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	4.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 20000	4.2	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 18000	4.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 16000	5.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 14000	6.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	7.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 10000	8.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 9000	9.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 8000	9.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	9.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 6000	9.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 5000	9.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4500	9.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4000	9.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3500	9.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 97

AL CLIMATOLOGY BRANCH  
ETAC  
FATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

112 10111 AFB NV 69-70, 73-80 YEARS 521  
STATION STATION NAME MONTH  
PERCENTAGE FREQUENCY OF OCCURRENCE 100-1000  
(FROM HOURLY OBSERVATIONS) HOURS EST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 20000	92.5	92.6	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 18000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 16000	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 14000	95.3	95.3	95.3	95.3	95.3	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 12000	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 10000	98.3	98.3	98.3	98.3	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 9000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 8000	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 7000	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 6000	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS. 521



ALCOLOLOGY BRANCH

ETAC

ATMOSPHERIC SERVICE/NA

# CEILING VERSUS VISIBILITY

12

WILLIS AFB TX

69-70,73-80

YEARS

MONTH

STATION

STATION NAME

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1969-1970  
HOURS 15

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	91.7	91.7	91.7	91.8	90.8	90.8	90.8	90.6	90.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 20000	92.7	92.9	93.1	93.3	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 18000	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 16000	93.4	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 14000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 10000	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 9000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 8000	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 7000	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 5000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

U.S. AIR FORCE  
METEOROLOGICAL CLIMATOLOGY BRANCH  
ETAC  
AIR FORCE SERVICE/440

# CEILING VERSUS VISIBILITY

12  
STATION

WALLIS AFB TX

STATION NAME

67-70, 73-80

YEARS

12  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 0-1400  
HOURS, 15'

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.25	≥.2	≥.15	≥.1	≥0
NO CEILING	5.6	29.6	69.5	78.6	89.6	92.6	93.6	94.6	95.6	96.6	97.6	98.6	99.6	99.6	99.6	99.6
≥ 20000	10.6	92.6	97.6	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 18000	7.6	98.6	97.6	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 16000	7.6	98.6	97.6	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 14000	8.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 12000	6.4	95.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 10000	7.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 9000	8.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	9.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 7000	9.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 6000	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 5000	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1510-1700  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 20000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 18000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 16000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 14000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 12000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 10000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 9000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 8000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 7000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 6000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 5000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 4500	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 4000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 3500	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 3000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2500	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 2000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1800	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1500	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1200	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 800	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 600	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 500	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 300	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 200	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 100	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 0	7.4	27.4	67.4	87.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 904

AL CLIMATOLOGY BRANCH  
TAC  
TATNOR SERVICE/HAC

# CEILING VERSUS VISIBILITY

12  
STATION

WILLIS AFB TX  
STATION NAME

69-70, 73-80  
YEARS

SEP  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18-0-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0
NO CEILING	92.6	89.6	87.6	84.6	80.6	77.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 20000	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 18000	92.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 16000	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 14000	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 12000	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 10000	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 9000	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 8000	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 7000	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 6000	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4500	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4000	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3500	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3000	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 500

U.S. AIR FORCE  
 AIRCRAFT SERVICE/NAF

# CEILING VERSUS VISIBILITY

STATION  
 12

STATION NAME  
 WILLIS AFB TX

STATION NAME

YEARS  
 69-70, 73-80

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-230  
 HOURS (15)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 20000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 18000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 16000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 14000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 12000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 10000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 9000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 8000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 5000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

90

AL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION  
12

STATION NAME  
WILLIS AFB TX

69-70, 73-80

YEARS

SET  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 20000	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 18000	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 16000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 14000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 12000	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 10000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 9000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 8000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 7000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

7200

AL CLIMATOLOGY BRANCH  
 SERVICE/NAF

# CEILING VERSUS VISIBILITY

STATION

WILLI AFB TX

STATION NAME

67-75,73-87

YEARS

MOY

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1966-1967  
 HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	3.3	48.3	63.3	68.3	69.3	70.3	68.4	68.4	69.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 18000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 16000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 14000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 12000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 10000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 9000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 8000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 6000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 5000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 4500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 4000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 3500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 3000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 92

U.S. AIR FORCE  
CLIMATE BRANCH  
ETAC  
AIR FORCE SERVICE/AFAC

# CEILING VERSUS VISIBILITY

12

ELLIS AFB TX

69-70, 73-80

OCT

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1969-1980  
HOURS: 157

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 20000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 18000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 16000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 14000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 12000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 10000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 9000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 7000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

157

USAF ETAC

FORM  
101-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



WALLA WALLA, IDAHO

STATION SERIAL NO.

# CEILING VERSUS VISIBILITY

12

WALLA WALLA, IDAHO

69-70, 73-80

OCT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-2400  
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	9.1	58.1	82.1	88.1	89.1	89.1	89.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 20000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 18000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 16000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 14000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 12000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 10000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 9000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 8000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 7000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 6000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 5000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 4500	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 4000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3500	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1500	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 900	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 800	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 700	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 600	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 500	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 400	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 300	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 200	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 100	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 0	1.7	21.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS 930

AL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12

WILLIAMSBURG

69-70, 73-80

CCT

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1969-1980  
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	89.1	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 20000	92.9	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 18000	92.9	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 16000	93.7	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 14000	94.3	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 12000	96.2	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 10000	97.1	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	97.3	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 8000	99.0	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 7000	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 6000	99.1	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 5000	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4500	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4000	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3500	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3000	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 92

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 12 JUL 64  
 CIVIL SERVICE AREA

# CEILING VERSUS VISIBILITY

12  
STATION

COLLIER AFB TX

STATION NAME

69-77,73-30

YEARS

MOY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1968-1970  
 HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0
NO CEILING	4.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 20000	2.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 18000	2.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 16000	3.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 14000	4.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 12000	6.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 10000	7.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 9000	7.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 8000	8.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 7000	8.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 6000	9.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 5000	9.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 4500	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	9.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 932

CLIMATE BRANCH

ETAC

ETAC SERVICE/1AC

# CEILING VERSUS VISIBILITY

12  
STATION

WILLIS AFB TX

STATION NAME

59-70,73-80

YEARS

007

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS CST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 20000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 18000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 16000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 14000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 12000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 10000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 9000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 8000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 7000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 6000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 5000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4500	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3500	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1800	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1500	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1200	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1000	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 900	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 800	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 700	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 600	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 500	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 400	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 300	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 200	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 100	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 0	1.3	41.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4

TOTAL NUMBER OF OBSERVATIONS

97

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE LOG 424 CR  
SERVICES/MAC

# CEILING VERSUS VISIBILITY

STATION

ELLI AFB TX

STATION NAME

69-70,73-07

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1960-1961  
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	5.2	36.5	44.7	25.8	81.8	26.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 20000	3.1	93.3	93.5	93.7	93.7	93.7	93.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 18000	3.4	93.7	93.7	94.1	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 16000	3.3	94.1	94.3	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 14000	4.2	94.4	95.1	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 12000	5.2	95.5	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 10000	9.1	93.2	92.4	95.5	98.5	93.5	93.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 9000	13.4	93.6	98.3	93.9	98.9	93.9	93.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 8000	9.1	93.0	93.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 7000	15.3	99.0	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 6000	10.1	99.2	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 92

AL CLIMATOLOGY BRANCH  
ETAC  
METEOROLOGICAL SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: 12 LIA AFB NV STATION NAME: 69-72,73-87 YEARS: 007  
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 11-0-2000  
HOURS: 15

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 20000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 18000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 16000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 14000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 12000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 10000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 8000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 6000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 571

WORLD CLIMATOLOGY PROJECT

CLIMATE SERVICE MANUAL

# CEILING VERSUS VISIBILITY

STATION  
12

STATION NAME  
ELLIS AFB TX

YEARS  
67-73, 75-87

MONTH  
OCT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (24)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	7.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 20000	12.0	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 18000	12.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 16000	2.3	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 14000	4.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 12000	5.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	7.5	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 9000	3.3	93.3	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 8000	8.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 7000	9.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 6000	9.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7479

AL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12  
STATION

ELLI, AFB TX  
STATION NAME

69-77,73-80  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-0200  
HOURS

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	5.4	45.4	85.6	95.6	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 20000	5.4	47.4	91.6	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 18000	11.4	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 16000	1.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 14000	12.3	92.9	97.1	97.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 12000	4.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 10000	6.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 9000	16.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 8000	16.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 7000	17.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 6000	18.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	19.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4500	19.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4000	19.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3500	19.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	19.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500	19.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	19.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

STATION WALLIS ISLAND STATION NAME 69-70,73-81 YEARS 1969-1970 MONTH 1969-1970

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1969-1970  
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	91.3	85.3	80.3	76.3	66.3	60.3	26.3	16.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 20000	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
≥ 18000	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
≥ 16000	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
≥ 14000	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
≥ 12000	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
≥ 10000	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
≥ 9000	5.3	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
≥ 8000	6.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
≥ 7000	6.3	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
≥ 6000	7.4	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 5000	9.3	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
≥ 4500	9.3	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
≥ 4000	9.1	9.2	9.2	9.2	9.2	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
≥ 3500	9.1	9.2	9.2	9.2	9.2	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
≥ 3000	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
≥ 2500	9.4	9.8	9.8	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥ 2000	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.4	9.9	9.9	9.9	9.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 151

















# CEILING VERSUS VISIBILITY

U.S. AIR FORCE  
METEOROLOGICAL SERVICE/AFAC

STATION  
112

STATION NAME  
ELLI AFB TX

69-73,73-80

YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-0100  
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	7.3	67.3	67.3	37.3	87.3	67.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 20000	83.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 18000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 16000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 14000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 12000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 10000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 9000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 8000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 7000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 6000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 5000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 4500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 4000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 3500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 3000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS

970

AL CLIMATOLOGY BRANCH  
CONTACT  
ATTACH SERVICE/MAC

## CEILING VERSUS VISIBILITY

0-12

ELLIS AFB TX

69-70, 73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1300-1900  
HOURS TEST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 20000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 18000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 16000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 14000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 12000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 10000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 9000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 8000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 7000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 900	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 400	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 300	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 200	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 100	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS 971

USAF CLIMATE DATA BRANCH  
1972  
WATER SERVICE/PAO

# CEILING VERSUS VISIBILITY

12  
STATION

ELLIS AFB TX

STATION NAME

69-70, 73-80

YEARS

DLC

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-1859  
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.16	≥.1	≥.05	≥0
NO CEILING	7.1	37.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 20000	7.1	37.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 18000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 16000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 14000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 12000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 10000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 9000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 8000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 7000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 6000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 5000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4500	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3500	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2500	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1500	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1200	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1000	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 900	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 800	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 700	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 600	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 500	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 400	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 300	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 200	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 100	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 0	6.9	38.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2

TOTAL NUMBER OF OBSERVATIONS 93

AL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAG

# CEILING VERSUS VISIBILITY

STATION  
12

STATION NAME  
WILLIS AFB TX

YEARS  
67-70, 73-80

MONTH  
DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD  
1967-1980  
HOURS  
151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 20000	4.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 18000	6.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 16000	7.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 14000	8.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 12000	8.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 10000	8.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 9000	8.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 8000	8.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 7000	8.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 6000	6.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 5000	6.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 4500	7.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000	7.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500	7.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3000	7.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500	7.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000	7.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1800	7.7	89.1	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500	7.5	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200	7.5	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	7.6	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	7.5	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	7.6	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 700	7.6	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600	7.5	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 500	7.6	89.4	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 400	7.6	89.4	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 300	7.5	89.4	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 200	7.5	89.4	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 100	7.5	89.4	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 0	7.5	89.4	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8

TOTAL NUMBER OF OBSERVATIONS 97



ALBANY AIRPORT  
ALBANY  
FATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION

CELL 1045 NV

STATION NAME

69-70,73-80

YEARS

DEC

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 20000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
IV 18000	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 16000	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
IV 14000	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
IV 12000	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
IV 10000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 9000	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
IV 8000	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
IV 7000	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
IV 6000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
IV 5000	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
IV 4500	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 3000	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 2500	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 2000	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 1800	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 1500	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 1200	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 1000	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 900	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 800	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 700	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 600	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 500	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 400	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 300	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 200	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 100	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
IV 0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4

TOTAL NUMBER OF OBSERVATIONS 22







USAF CLIMATOLOGY BRANCH  
ETAC  
AIR SERVICE WING

# CEILING VERSUS VISIBILITY

12  
STATION

ELLIS AFB TX

STATION NAME

59-70,73-80

YEARS

26  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .1	≥ 0
NO CEILING	1.5	33.7	83.7	31.7	81.7	90.7	50.8	80.8	30.8	80.8	60.7	80.8	50.3	80.2	37.8	80.8
≥ 20000	6.9	87.7	87.7	37.8	87.8	97.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 18000	8.1	88.2	88.2	38.2	88.2	98.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 16000	8.9	89.3	89.3	39.3	89.3	99.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 14000	1.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 12000	2.3	92.1	92.1	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 10000	4.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 9000	4.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 8000	5.4	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 7000	5.4	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 6000	6.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 5000	7.1	97.3	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 4500	7.7	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 4000	7.9	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 3500	7.7	98.2	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 3000	7.3	98.3	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2500	7.7	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 2000	8.1	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	8.0	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	8.1	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	8.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	8.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	8.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	8.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	8.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	8.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	8.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	8.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	8.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	8.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	8.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	8.1	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

7472

USAF ETAC

FORM  
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

12  
STATION

ALLIS AFB TX

STATION NAME

69-70,73-81

YEARS

ALL  
MONTHS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 20000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 18000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 16000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 14000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 12000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 10000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 9000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 8000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 7000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 6000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 5000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4500	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3500	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1800	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1500	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1200	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 900	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 800	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 700	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 600	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 500	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 400	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 300	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 200	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 100	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1

TOTAL NUMBER OF OBSERVATIONS 6762

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATION IN ORDER OF CLEAR, PARTIAL,  
BROKEN, OVERCAST, & O CLOUDS WERE USED AS INPUT FOR THE  
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

PARTIAL WAS CONVERTED TO 2/10

BROKEN WAS CONVERTED TO 4/10

OVERCAST WAS CONVERTED TO 10/10

O CLOUDS WAS CONVERTED TO 10/10

104  
CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# SKY COVER

27112  
STATION

NELLIS AFB NV  
STATION NAME

7,73-81  
PERIOD

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN.	00-02	42.5			26.2						14.5	16.6	3.3	930
	03-05	42.4			24.3						16.2	17.1	3.9	930
	06-08	24.8			30.5						20.8	23.9	5.2	930
	09-11	18.0			29.7						24.9	27.4	5.9	930
	12-14	15.7			31.0						26.0	27.3	6.0	930
	15-17	14.2			31.4						25.3	29.1	6.1	930
	18-20	27.1			29.2						20.9	22.8	5.0	930
	21-23	36.1			29.7						15.6	18.6	4.2	930
TOTALS		27.6			29.0						20.5	22.9	5.0	7440

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

FEB

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FF	0-12	47.4			24.0						13.8	14.8	3.4	646
	13-25	44.9			24.5						15.1	15.5	3.6	846
	26-38	20.1			34.2						25.3	20.4	5.3	845
	39-51	16.4			33.7						22.8	27.2	5.6	843
	52-14	13.3			33.5						26.5	26.7	6.1	845
	15-17	12.4			33.7						26.5	27.4	6.1	846
	18-20	27.2			30.4						22.5	20.0	4.9	846
	21-23	33.8			27.3						17.0	16.9	4.0	846
TOTALS		27.6			30.2						21.2	21.1	4.9	6763

USAF AL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# SKY COVER

2112  
STATION

NELLIS AFB NV  
STATION NAME

70,73-81  
PERIOD

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
1-4	00-02	44.6			26.9						13.9	14.6	.5	929
	03-05	42.4			27.1						17.1	13.4	3.7	930
	06-08	23.4			36.2						24.2	19.1	5.2	930
	09-11	15.6			35.6						23.1	24.7	5.6	929
	12-14	11.9			34.6						28.5	25.0	6.1	929
	15-17	12.7			34.7						30.1	22.5	6.0	930
	18-20	21.5			36.9						21.3	20.3	5.1	930
	21-23	43.4			29.2						15.5	14.8	3.8	930
TOTALS		26.3			32.7						21.7	19.3	4.9	7437

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	55.8			22.9						13.4	7.9	2.7	900
	03-05	47.1			25.4						16.7	8.8	3.1	900
	06-08	33.7			34.9						20.8	10.6	4.0	898
	09-11	31.9			35.2						21.0	11.9	4.1	899
	12-14	26.5			37.0						22.9	13.6	4.5	899
	15-17	22.7			36.8						26.3	14.2	4.9	897
	18-20	32.1			37.3						19.0	11.6	4.0	898
	21-23	52.0			25.4						12.9	8.8	2.8	900
TOTALS		33.1			31.9						19.1	10.9	3.8	7191

14-00000  
CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

2112  
STATION

NELLIS AFB NV  
STATION NAME

70,73-81  
PERIOD

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	56.1			25.5						11.6	6.9	2.5	930
	03-05	42.2			33.8						15.6	8.5	3.3	930
	06-08	37.1			32.4						20.4	10.1	3.8	930
	09-11	31.6			36.5						19.4	12.4	4.1	930
	12-14	23.3			39.8						23.4	13.6	4.7	928
	15-17	21.0			40.3						23.6	15.1	4.8	928
	18-20	27.9			39.5						21.6	12.0	4.3	927
	21-23	48.7			30.9						13.4	7.1	2.8	927
TOTALS		35.0			34.7						18.6	10.7	3.8	7430

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



## SKY COVER

JUN  
MONTH

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

23112  
STATION

NELLIS AFB NV  
STATION NAME

69-70,73-P0  
PERIOD

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	0-02	57.0			24.3						12.3	6.5	2.5	930
	03-05	47.2			32.5						15.5	4.8	2.9	930
	06-08	41.7			35.7						17.6	4.9	3.2	930
	09-11	37.0			41.2						16.7	5.2	3.3	930
	12-14	23.8			45.7						18.7	6.8	3.7	930
	15-17	27.4			43.2						24.2	5.2	4.0	930
	18-20	32.3			37.4						22.3	8.1	3.9	930
	21-23	51.0			27.4						13.7	8.9	2.9	930
TOTALS		47.2			35.9						17.6	6.3	3.3	7440

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

2112  
STATION

WELLIS AFB NV

STATION NAME

69-70, 73-80

PER OR

AUG

MONTE

64

## SKY COVER

WELLIS AFB NV

69-70, 73-80

SEP  
MON

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

## SKY COVER

4-112 WELLS AFB NV 69-70,73-FU OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
10-02	59.6				23.4						8.9	7.6	2.3	929
10-25	59.3				24.9						9.5	6.4	2.2	929
11-04	43.5				32.4						16.7	7.4	1.2	930
11-11	42.7				34.3						15.2	7.8	1.2	930
12-14	37.6				36.0						15.9	10.4	3.6	930
12-17	35.9				33.1						21.5	9.5	3.9	930
1-20	49.1				29.0						16.6	6.3	3.0	930
1-23	57.3				25.4						12.4	6.9	2.5	930
TOTALS	43.0				29.6						14.6	7.8	3.0	7438

## SKY COVER

2112  
STATION

WELLIS AFB NV

STAT ON NAME

67-70, 73-80

PERIOD

NOV

MONITOR

## SKY COVER

2112  
STATION

JELLIS AFB NV

STATION NAME

69-72, 73-80

PERIOD

DEC  
1964

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# SKY COVER

27112  
STATION

WELLIS AFB NV  
STATION NAME

69-70,73-81  
PERIOD

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	27.6			29.0						20.5	22.9	5.0	7440
FEB		27.6			30.2						21.2	21.1	4.9	6763
MAR		26.3			32.7						21.7	19.3	4.9	7437
APR		35.1			31.9						19.1	10.9	3.8	7191
MAY		36.0			34.7						18.6	10.7	3.8	7430
JUN		49.4			32.1						13.5	5.0	2.7	7195
JUL		40.2			35.9						17.6	6.3	3.3	7440
AUG		42.6			35.1						12.6	3.8	2.6	7438
SEP		55.0			32.1						9.9	3.0	2.2	7200
OCT		48.0			29.6						14.6	7.8	3.0	7438
NOV		39.5			31.9						17.1	12.6	3.8	7192
DEC		36.5			28.6						20.0	14.9	4.2	7428
TOTALS		39.3			32.0						17.2	11.5	3.7	87592

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E . PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.



# DAILY TEMPERATURES

CLIMATE DIVISION, SPA. CH

STATION NAME

STATION

42-44, 49-51

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1						.1	.8	.2					.1
2						1.1	9.1	4.6					1.3
3					.2	8.2	32.5	22.5	1.5				5.6
4					5.2	21.3	61.6	51.4	8.4	.1			12.3
5			.2	2.8	26.8	73.9	96.2	92.0	55.7	5.3			29.7
6		.1	1.5	11.9	53.9	91.1	99.8	98.3	80.1	19.1	.3	.1	35.3
7		1.0	3.3	31.9	77.4	97.5	100.0	99.9	94.8	44.9	2.3	.4	46.6
8	1.7	6.0	17.4	57.6	92.2	99.8		100.0	99.2	68.6	10.3	1.7	55.0
9	6.6	18.9	42.4	82.0	98.4	100.0			100.0	86.6	26.6	6.2	64.4
10	18.9	39.7	72.2	96.8	100.0					96.4	54.5	16.1	75.0
11	40.1	65.3	90.9	99.8						99.2	79.1	36.1	84.4
12	50.2	74.9	94.7	99.9						99.4	86.4	48.1	88.0
13	66.0	87.3	97.4	100.0						99.7	94.2	69.4	92.9
14	87.5	97.2	99.6							100.0	98.8	90.7	97.8
15	95.6	99.5	100.0								99.9	98.1	99.4
16	99.1	100.0									100.0	99.7	99.9
17	100.0											100.0	100.0
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN	32.7	37.7	43.3	51.1	60.1	68.9	76.2	74.3	65.2	52.9	40.2	32.9	53.0
S. D.	6.77	7.318	6.728	6.846	7.302	7.191	6.269	6.540	6.601	7.428	7.100	6.852	16.680
TOTAL OBS.	1076	989	1105	1080	1116	1050	1085	1085	1050	1054	1020	1054	12764



CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

2 112 WELLS AFB NV 42-44, 49-81  
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
42		*	82	90	105	110	119	114	110	99	83	77	
43	75	80	87	98	104	106	115	109	105	97	80	67	115
44	71	71	81	86	95	110	108	110	108				
45	* 54	71	80	98	103	110	117	112	108	97	86	76	117
50	71	81	89	100	106	116	116	113	116	101	84	75	116
51	74	80	84	92	110	112	112	111	105	93	76	68	112
52	64	70	80	92	102	105	111	111	108	99	81	72	111
53	74	77	86	96	94	112	113	111	107	98	81	69	113
54	76	81	79	97	102	117	112	111	105	96	79	66	117
55	63	74	83	87	99	112	111	109	111	95	83	76	112
56	71	71	90	93	102	114	110	110	107	96	83	72	114
57	66	81	82	89	98	114	113	112	107	92	73	74	114
58	70	80	75	96	105	110	114	111	109	96	82	77	114
59	75	72	82	98	100	112	114	106	104	95	76	73	114
60	65	76	86	94	104	109	115	111	105	95	81	67	115
61	71	80	82	95	99	115	115	108	98	93	72	62	115
62	74	70	84	95	98	110	107	111	104	95	82	70	111
63	68	80	81	86	98	104	109	107	104	100	79	65	109
64	67	68	83	90	99	106	111	108	101	99	78	70	111
65	70	74	79	94	97	103	108	108	98	95	82	65	108
66	64	67	90	93	102	107	111	112	102	88	81	68	112
67	68	73	82	79	104	109	113	114	99	92	84	64	114
68	67	78	95	90	104	110	110	104	104	88	78	64	110
69	68	62	86	90	106	104	113	115	107	95	78	70	115
70	77	79	86	90	102	117	114	112	106	96	77	67	117
71	80	79	88	88	92	110	112	109	107	95	75	62	112
72	62	30	90	89	98	113	115	110	99	88	75	66	115
73	63	67	72	92	103	114	116	109	107	95	83	72	116
74	61	74	86	88	106	113	110	107	107	96	72	65	113
75	76	77	79	83	100	108	109	110	103	97	82	73	110
MEAN													
S. D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA) 8 (AT LEAST ONE DAY LESS THAN 24 OBS)

## EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
20112	JELLIS AFB NV	42-44, 49-81

WHOLE DEGREES FAHRENHEIT

[illegible]

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC      FORM JUL 64      0-88-5 (OL A)

\* (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

2112 WELLS AFB NV 42-44, 49-81  
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42			23	41	42	59	63	60	50	34	30	23	
43	12	27	35	38	42	48	60	59	59	40	28	29	12
44	25	26	31	40	44	49	62	59	50				
45	18	19	36	41	49	57	66	57	51	30	33	14	14
46	10	16	27	35	43	50	67	61	50	41	17	27	10
47	19	22	27	40	44	56	68	63	56	40	30	23	19
48	16	26	29	44	55	59	63	69	55	45	20	25	16
49	26	20	28	31	43	52	62	61	53	38	28	18	18
50	19	33	29	41	47	52	70	59	56	39	34	24	19
51	26	23	27	38	43	50	60	65	54	43	28	25	23
52	24	22	25	37	52	60	66	63	59	35	23	18	18
53	23	25	35	41	49	61	63	57	56	44	22	26	22
54	26	32	33	38	53	59	67	70	57	40	25	28	25
55	18	28	35	43	44	61	70	64	52	43	28	26	18
56	22	25	33	38	48	61	67	63	58	42	33	27	22
57	23	30	35	42	54	61	66	67	52	37	24	18	18
58	15	24	21	40	44	51	64	68	56	46	34	15	15
59	12	33	30	38	48	55	61	68	60	49	27	22	12
60	17	24	27	36	41	50	59	64	52	43	25	14	14
61	19	20	24	37	49	53	64	58	47	42	28	27	19
62	19	22	28	33	49	52	61	63	50	39	28	19	19
63	21	22	32	35	41	52	72	72	58	41	33	23	21
64	27	30	37	37	46	51	62	54	51	39	31	12	12
65	22	27	30	39	53	61	66	67	58	40	28	24	22
66	13	32	35	37	50	59	60	73	48	26	29	24	13
67	19	20	21	38	46	55	65	70	46	25	28	20	19
68	16	16	35	38	46	61	65	61	53	40	30	19	16
69	15	26	37	40	48	61	65	58	54	42	25	25	15
70	12	30	33	40	48	55	69	63	52	44	29	25	12
71	23	25	35	37	45	59	66	61	57	33	23	21	21
MEAN													
S.D.													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 64 # (AT LEAST ONE DAY LESS THAN 24 OBS)



# (AT LEAST ONE DAY LESS THAN 24 OBS)

## PSYCHROMETRIC SUMMARY

2 12	WELLIS AFB TX
STATION	STATION NAME

7J, 77-81

YEARS

MONTH

7437

7-10-62  
HOURS 11.5.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew			
1 / 67										.1								1	1					
4 / 53										.1								1	1					
1 / 51										.1								2	2					
2 / 59				.1	.1						.1							3	3					
2 / 57				.2	.1			.3		.1								7	7					
5 / 55		.2		.2	.3	.2	.4	.1	.1	.1								16	16					
2 / 52		.1	.1	.1	.4	.4	.7	.4										14	14					
2 / 51		.2	1.0	.1	.5	.3	.6	.2	.3									31	31					
2 / 44		.1	.3	1.7	1.7	.4	.4	.3										40	40		7			
2 / 47		.1	.3	.9	1.1	1.4	.5	.3	.1									49	49		17			
4 / 45		1.0	1.2	1.1	1.4	2.4	1.1	.4										73	73		16			
4 / 43		.8	1.2	1.7	1.7	2.7	1.0	.2										87	87		49			
2 / 41		.9	2.7	2.9	2.2	2.9	1.1	.1										113	113		60			
2 / 37		1.4	1.8	1.8	3.1	2.6	.5											107	107		60			
1 / 32	.1	1.7	1.9	1.8	3.3	1.4	.1											97	97		100			
2 / 30		1.2	1.6	1.9	2.4	1.6	.1											92	82		102			
3 / 23		.9	1.9	2.0	1.2	.6												58	58		103			
2 / 31	.1	.2	1.3	2.4	1.2	.4												52	52		119			
2 / 27			1.1	1.3	1.0	.1												30	32		45			
2 / 27			.5	1.0	.2													16	15		74			
2 / 25		.2	.4	.3	.3													12	13		45			
2 / 21			.2	.3														5	5		43			
2 / 21		.1	.4	.1														6	6		51			
2 / 17		.1	.2	.5														3	3		3			
1 / 17		.1	.1															2	2		1			
1 / 15		.3																2	2		10			
1 / 12																					3			
1 / 11																								
1 / 7																								
1 / 5																								
1 / 3																								
1 / 1																								
1 / -1																								
Element (X)	$\Sigma x^2$																							

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NELLIS AFB, LAS VEGAS, NEVADA. REVISED UNIFORM SUMMARY OF SURFA--ETC (1)  
OCT 81

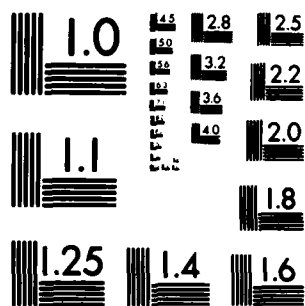
**SBI-AD-E850 133**

NL

4. 6

$\Delta_{\text{max}} = 100 - \Delta_{\text{min}}$

13154



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A





## PSYCHROMETRIC SUMMARY

YEARS

JAN  
MONT

PAGE 2 2300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
- / -3																					1		
- / -5																					2		
- / -7																					3		
- / -9																					4		
- / -11																					5		
-1 / -13																					6		
-1 / -15																					7		
-1 / -19																					8		
T T L	.1	12.2	23.9	22.9	22.8	11.6	4.7	1.3	.1	.1	.3							93.0	93.0	93.0	93.0		

**USAFETAC** FORM  
AUG 84  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





2

8

**YEARS**

**121**

**USAFETAC** FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAF CLIMATOLOGY BRANCH  
 AFM/TAC  
 AIR WEATHER SERVICE/ICL/MAC

# PSYCHROMETRIC SUMMARY

STATION 2112 ILLIS AFB TX STATION NAME YEARS 70.73-81 MONTH JAN

PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
70/71											.1						1	1		
71/72										.1							1	1		
72/73										.1	.1						2	2		
73/74										.1							1	1		
74/75						.2				.1							3	3		
75/76						.2				.2	.1						5	5		
76/77			.1	.4		.2		.5	1.1	.5							27	27		
77/78		.1	.1			.5	.4	1.0	.6	.2							28	28		
78/79				.1	.4	.8	1.0	1.4	.5								41	41	5	
79/80			.1	.2	1.1	1.3	1.2	1.6	.5	.2							58	58	7	2
80/81		.2	.6	.9	1.6	2.3	2.5	1.3	.9								65	65	3	1
81/82			.6	.7	1.1	2.9	1.6	1.6	.5								86	86	8	4
82/83		.2	.6	2.2	2.3	2.2	1.8	1.0									95	95	24	3
83/84		1.3	1.0	2.6	2.1	2.9	2.3	1.2									123	123	56	8
84/85		.6	1.8	1.7	.8	2.8	1.8	.2									91	91	30	9
85/86		.5	1.2	1.2	1.3	1.8	1.8	.3									76	76	111	20
86/87		.4	.2	1.1	2.0	1.6	.6										56	56	135	30
87/88		.5	.6	.5	.8	1.2	.9										42	42	93	45
88/89		.5		.8	1.3	1.0	.1										34	34	97	49
89/90	.2	.9	.3	.8	.9	.3											31	31	90	47
90/91		.2	.3	.2	.4	.3											14	14	82	60
91/92				.2	.3	.1											6	6	46	72
92/93		.2	.2	.3													7	7	34	64
93/94			.1	.1													2	2	25	58
94/95			.2		.2												4	4	13	39
95/96																			5	54
96/97																			3	54
97/98		.1															1	1	1	49
98/99																			2	65
99/00																				42
00/01																				32
01/02																				33
02/03																				28
03/04																				20
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature									
Ref. Num.											± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

## PSYCHROMETRIC SUMMARY

25112      WELLS AFB NV      72.73-81      JAN

PAGE 2 1960-1141  
HOURS (L. S. Y.)

[illegible]



## PSYCHROMETRIC SUMMARY

27112 WELLIS AFB NY  
STATION STATION NAME

73-73-81

YEARS

JAN  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**YEARS**

JAN  
MONTH

PAGE 2 1536-1742  
HOURS (L. S. T.)

[illegible]

USAFETAC  
JOMM  
AUG 44  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





## PSYCHROMETRIC SUMMARY

YEARS

JAN  
MONTH

PAGE 2 1500-2040  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

2 : 112

WELLIS AFB NV

72,73-81

JAN

MONTH

PAGE 1

21 10-23 50

64-10-255  
HOURS 11-3-7.

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

**USAFETAC**



## PSYCHROMETRIC SUMMARY

**YEARS**

JAN  
MONTH

## All

MOVERS (L. S. T.)

**USAFETAC** FORM 0-26-5 (OLA)  
REV. 4-4 REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





## PSYCHROMETRIC SUMMARY

23112  
STAT

WELLS AFB NY

STATION NAME

70-73-81

**YEARS**

FEB  
MONTH

PAGE 2

3600-0200  
NOV 5 (L. S. T.)





## PSYCHROMETRIC SUMMARY

2 112                      WELLS AFB NV  
STATION                      STATION NAME

72, 73-81

**YEARS**

FE  
MONTH

PAGE 2 1300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
13 L	1.1	11.9	16.4	16.7	16.9	18.9	10.2	5.3	1.7	.5								846	846	846	846			
Element (X)	$\Sigma X'$		$\Sigma X$		X	$e_x$	No. Obs.	Mean No. of Hours with Temperature										Total						
Rel. Num.	2699033		44299		52.4	21.190	846	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F											
Dry Bulb	1627841		36663		43.3	6.792	846		3.5															
Wet Bulb	1150910		30742		36.3	6.325	846		24.7															
Dew Point	682250		21220		25.1	11.409	846	.3	59.7															



## PSYCHROMETRIC SUMMARY

2112                      WELLS AFB NV  
STATION                      STATION NAME

72,73-21

YEARS

FFI

**MON T**

PAGE 2

3600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
- / -9																								
1.1	1.5	13.5	16.4	18.0	13.1	15.5	12.8	3.4	2.0	.5									546	846	846			
Element (X)	$\Sigma X^2$	$\Sigma X$	X	$C_x$	No. Obs.	Mean No. of Hours with Temperature							Total											
Ref. Num.	2811395	45373	53.6	21.148	846	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$													
Dry Bulb	1586969	36159	42.7	7.007	846		5.5					6.4												
Wet Bulb	1133084	30478	36.2	6.444	846		26.2					6.6												
Dew Point	643097	21279	25.2	11.299	846		6	59.3				6.6												



## PSYCHROMETRIC SUMMARY

2112  
STATUS

WELLS AFB NV

73.73-81

YEARS

FF  
MONT

PAGES

1900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
/ -																						
/ -																						
- / -5																						
- / -7																						
TAL	.4	3.9	5.3	8.5	10.4	13.3	17.0	16.8	12.0	7.3	3.1	1.7	.4					845	846	845	845	
					</																	

## PSYCHROMETRIC SUMMARY

FF.  
MONTH

1255-1490  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ 76														.2				2	2					
7 / 77												.1		.6	.1			7	7					
7 / 75												.1	.1	.5				6	6					
74 / 73											.1	.6	2.7	.2				25	25					
/ 71									.1		.2	1.1	1.3					23	27					
7 / 69								.1	.2	.5	.9	1.9	.6					35	36					
7 / 67						.1			.5	1.3	2.7	1.4	.1					52	52					
7 / 65						.2	.1	.6	2.1	2.0	2.2	1.3						73	73					
4 / 63				.1	.1	.2	.1	2.4	3.6	2.4	2.6		.2					69	69					
7 / 61				.4	.1	.4	1.7	3.0	2.7	2.7	2.1							110	110					
/ 59			.2	.2	1.1	.8	1.3	2.2	2.7	3.2	1.1							113	113					
7 / 57			.1	.6	.5	.7	1.9	1.4	1.4	3.2	.4							86	86	4				
5 / 55	.1	.4	.6	.9	.6	.7	.9	1.8	2.4	2.1								89	89	17	1			
7 / 53		.1	.1	.4	.5	.7	.4	1.1	1.9	.5								50	53	13	2			
/ 51		.2	.2	.5	.5	.5	.1	1.1	.5	.2								32	33	60	11			
5 / 49		.1	.5	.2	.1	.4	.2		.1									14	14	147	3			
4 / 47			.2	.1		.2			.1									6	6	142	15			
4 / 45		.1		.1	.2			.1	.1									6	6	134	12			
4 / 43		.2	.4	.1	.1	.2		.1										10	10	115	16			
2 / 41			.2		.1													3	3	76	24			
4 / 39																				70	20			
7 / 37		.1																1	1	45	17			
7 / 35		.2																2	2	7	39			
3 / 33																				3	67			
7 / 31																				3	62			
7 / 29																				1	39			
7 / 27																					33			
7 / 25																					76			
2 / 23																					52			
2 / 21																					51			
7 / 19																					56			
7 / 17																					52			
7 / 15																					41			
7 / 13																					45			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total					
Dry Bulb																								
Wet Bulb																								
Dew Point																								

## PSYCHROMETRIC SUMMARY

2 112	WELLIS AFB WV
STATION	STATION NAME

70,73-81

**YEARS**

FEB  
MONTH

PAGE 2

1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
79													.1	.1	.5			6	6					
77											.1		.2	.5	.1			9	9					
75											.1	.4	.7	.9				18	18					
73											.1	.5	2.4	.1				26	26					
71												2.2	1.9					35	35					
69							.1	.1	.2	.5	1.3	1.8	.7					40	40					
67						.2		.1	1.2	1.7	1.3	2.7	.2					63	63					
65								.5	2.5	2.7	2.6	1.9						86	86					
63					.1	.1	.2	2.5	2.8	2.8	3.4	.4						105	105					
61				.3		.8	1.7	1.5	2.7	3.4	2.4							113	113					
59			.2	.2	.6	.5	1.9	2.4	2.0	3.2	1.1							102	102					
57		.1	.1	.1	.5	.6	1.1	1.3	1.3	2.0	.1							61	61					
55	.1	.1		.5	1.2	.7	.3	.7	2.5	2.4								76	76	18	2			
53		.1	.7	.6	.5	.5		.5	1.3	.6								40	40	12				
51		.2		.7	.5	.2	.4	.6	.1									23	23	82	14			
49	.1		.7	.6	.2	.2												16	16	157	3			
47		.1	.2	.2														5	5	140	5			
45			.4		.4			.2										8	8	152	3			
43		.4	.1		.2	.1		.1										8	8	102	16			
41			.2	.1														3	3	77	28			
39																				58	24			
37		.1																1	1	30	43			
35		.2																2	2	6	49			
33																				2	53			
31																				2	66			
29																				1	29			
27																					38			
25																					63			
23																					57			
21																					62			
19																					43			
17																					66			
15																					51			
13																					40			
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Num.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**0-26-5 (OLA)**

USAFE:AC



## PSYCHROMETRIC SUMMARY

2112                      NELLIS AFB NV  
STATION                      STATION NAME

7C.77-81

YEARS

FEE  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)





## PSYCHROMETRIC SUMMARY

2 112  
STATIC

HELLIS AFB NV

70.73-81

F E 12

STATION NAME

YEARS

**MON T H**

PAGE 1

2110-231

MOUSE (L. S. 7.)

## PSYCHROMETRIC SUMMARY

**YEARS**

FFB  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]

**USAFETAC** FORMS 0-26-5 (OLA) REVISED SEPTEMBER 1978









## PSYCHROMETRIC SUMMARY

2 112  
STATION

WELLS AFB WV

STATION NAME

75,73-81

YEARS

4 A 2  
MONTH

PAGE 2

2024-0200  
HOURS (L, S, T)

## PSYCHROMETRIC SUMMARY

2112  
STATION

WELLIS AFB NV

70.73-61

YEARS

42 -  
MONTH

PAGE 1

0300-0500  
HOURS (L.S.T.)

## PSYCHROMETRIC SUMMARY

YEARS

4.47  
MONTH

4435

2500-2500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ 1																								
/ -1																								
- / -3																								
- / -5																								
" T-L		5.1	14.3	13.3	17.5	21.7	14.2	8.9	3.9	1.4	.5							930	930	930	930			
Element (X)	$\Sigma X^2$		$\Sigma X$	X	$e_x$	No. Obs.	Mean No. of Hours with Temperature										Total							
Rel. Hum.	2530323		45069	48.5	19.305	930	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F				Total								
Dry Bulb	2208718		44932	48.3	6.385	930		.2	.5							97								
Wet Bulb	1514458		37124	39.9	5.918	930		10.7								77								
Dew Point	836828		25887	27.8	11.235	930		.3	55.9							77								

USAFETAC  
FORM  
JUL 64  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
62										.2		.1						3	3			
67									.1	.1		.1						3	3			
65									.1	.3	.1							5	5			
63				.2	.1	.1	.3	.5	.2	.1								15	15			
61			.1	.2		.2	.3	.8	.4	.4	.1							24	24			
59			.2		.1	.3	.6	.7	1.1	.3								28	28			
57			.5	.3	.1	.3	1.3	.8	1.3	.5								48	48	3		
55	.2	.4	.4	1.1	1.7	1.3	1.7	.3										57	57	6	1	
53	.1	.1	.9	2.3	1.6	1.7	1.7	.6										77	77	9	5	
51		1.1	2.6	1.8	2.8	2.2	1.7	.6										119	119	19	6	
49	.2	1.2	1.1	1.5	2.6	1.9	1.7	.1										99	99	25	7	
47	.5	2.4	2.5	1.7	1.7	1.5	1.3											126	126	36	1	
45	.6	1.8	2.2	1.7	2.4	1.9	.6											135	135	43	13	
43	.9	2.5	1.8	1.9	1.6	2.4	.1											124	124	115	34	
41	.5	1.6	1.1	.8	1.6	.6												58	58	108	39	
39	.5	.9	.3	.6	1.6	.3												44	44	123	47	
37	.1	.4	.3	.6	.8													21	21	116	62	
35	.1		.4	.1	1.1													16	16	79	62	

## PSYCHROMETRIC SUMMARY

YEARS

7640-12

USAFETAC  
FORM  
AA 64  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

2 112                      WALLIS AFB NV  
STATION                      STATION NAME

70.73-81

YEARS

4 A C  
MONTH

PAGE : 5730-110  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

2-112                      DELLIS AFB TX  
STATION                      STATION NAME

72,73-81

YEARS

MAF  
MONTH

PAGE 2

2900-1111  
MOUSE (1-5-7)

## PSYCHROMETRIC SUMMARY

2 112                      NELLIS AFB NV  
STATION                      STATION NAME

70,73-81

YEARS

MAY  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point		
6/ 95															.2	.1		3	3				
4/ 83														.1	.1	.1		3	3				
2/ 81													.2	.2	.1			5	5				
1/ 79												.4	.9	.3	.4			19	19				
7/ 77									.1	.1	.5	.6	.4	.5	.5			27	27				
6/ 75								.2	.1		.6	.9	1.0	1.2				37	37				
4/ 73							.1	.1	.1	.3	.8	1.0	1.5	1.2	.1			47	47				
2/ 71							.1	.1	.1	.3	1.5	1.1	2.7	.1				56	56				
2/ 69						.1	.1		.2	1.2	1.4	3.2	1.1					68	68				
1/ 67						.1		.3	1.2	2.3	1.5	3.3	.3					84	84				
8/ 65					.1	.1	.1	.5	1.5	3.7	2.6	1.8						97	97				
4/ 63						.2	.6	1.2	1.9	1.4	2.4	.2						74	74				
2/ 61			.1		.1	.6	1.7	1.7	2.0	1.8	1.5							90	90	5			
1/ 59				.2	.5	1.1	1.4	1.9	1.9	3.3	1.4							110	110	5			
1/ 57			.1	.2	.5	1.0	1.2	.6	1.4	2.6	.2							73	73	24			
5/ 55			.1	.4	.8	.6	.5	.2	.8	1.4								45	45	29			
4/ 53				.9	.2	.8			1.2	.3								29	29	51			
2/ 51			.3	1.3	.2	.1		.1	.5									24	24	102			
2/ 49		.1	.6		.8			.4	.2									20	20	156			
4/ 47		.1		.5			.2		.3									11	11	178			
4/ 45			.4	.1				.2										7	7	177			
4/ 43								.1										1	1	95			
2/ 41																				72			
2/ 39																				39			
2/ 37																				19			
2/ 35																				11			
3/ 33																				2			
2/ 31																				5			
2/ 29																							
2/ 27																							
2/ 25																							
2/ 23																							
2/ 21																							
2/ 19																							
Element (X)	Σ x'			Σ x			R			C <sub>R</sub>			No. Obs.			Mean No.							



2

73, 73-81

YEARS

MAJ

**MONTM**

PAGE 2

1200-1400  
HOURS (L. S. T.)

**USAFETAC** FORM 0-26-5 (OLA)  
JUL 84  
REVISED AIRWAYS (PORTION OF THIS FORM AND CALCULATED)



2

YEARS \_\_\_\_\_ MONTH 4 2

7C.73-81

YEARS

4 A 2  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
ALL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

2 112  
STATION

WELLIS AFB NV

72,73-21

YEARS

340  
MONTH

PAGE 1

1600-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point				
1 / 41																.1		1	1					
1 / 79														.1	.1			2	2					
7 / 77												.2	.2	.1				5	5					
7 / 75											.2	.3	.9	.2				15	15					
14 / 73									.1		.3	.1	.6	.3				14	14					
17 / 71								.1	.6	.2	1.5	.9						37	37					
1 / 69						.1	.3	.2	.4	1.0	1.4	1.3	1.0					53	53					
5 / 67					.1	.1			.8	.6	1.4	2.0	.3					52	52					
6 / 65						.1	.2	1.0	.4	2.6	2.0	1.3						71	71					
14 / 63						.2	.6	.9	2.0	1.4	1.7	.6						72	72					
1 / 61					.1	.3	.5	2.2	2.0	2.3	1.2	.1						87	87					
1 / 59					.6	.8	2.0	2.0	2.6	2.6	1.3							111	111	3				
1 / 57			.2	.4	.3	1.6	1.9	2.2	1.9	1.7	.4							99	99	4				
5 / 55			.8	.3	1.2	1.6	1.4	2.4	.9	1.5								91	91	15				
4 / 53			1.4	.3	1.4	.9	1.0	1.0	1.3	.5								72	72	41				
1 / 51		.1	.3	1.0	1.0	.5	.5	.9	1.2									51	51	67				
12 / 49		.1	1.4	1.6	.6	.1	.1	.9	.2									47	47	108				
1 / 47		.2	1.0	.6	.2	.1	.1	.9	.1									30	30	151				
1 / 45		.1	.4	.2		.1	.3	.1										12	12	172				
14 / 43			.1	.1		.1	.1	.1										5	5	140				
12 / 41						.1	.2											3	3	103				
4 / 39						.2												2	2	53				
1 / 37																				33				
1 / 35																				26				
3 / 33																				6				
12 / 31																				4				
1 / 29																				4				
1 / 27																								
1 / 25																								
24 / 23																								
1 / 21																								
1 / 19																								
1 / 17																								
1 / 15																								
Element (X)	$\Sigma X^2$			$\Sigma X$																				

## PSYCHROMETRIC SUMMARY

2112                      NELLIS AFB NV  
STATION                      STATION NAME

75,73-81

YEARS:

343  
MONTH

PAGE 2 1900-2010  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

20112	NELLIS AFB NV
STATION	STATION NAME

70,73-81

**YEARS**

MAF  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

20112      WILLIS AFB NV  
STATION      STATION NAME

70,73-31

YEARS

MAR  
MONTH

PAGE ?

2100-2300  
HOURS (L. S. T.)

ALL AL CLIMATOLOGY BRANCH  
AFETAC  
AF WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

10112 GELLIS AFB NV 73-73-81 YEARS MONTH PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	
6/ 85															.1	.0	.0	6	6		
7/ 83															.1	.0	.0	9	9		
8/ 81														.1	.2	.1		21	21		
9/ 79												.1	.2	.1	.1			40	40		
7/ 77									.0	.0	.1	.2	.1	.3	.1			68	68		
8/ 75								.0	.0	.0	.2	.3	.5	.5	.0			125	125		
9/ 73							.0	.0	.1	.3	.3	.4	.4	.4	.0			124	124		
10/ 71							.1	.0	.1	.2	.5	.6	1.0	.1				189	189		
7/ 69						.0	.1	.0	.2	.6	.8	1.1	.6	.0				200	200		
8/ 67					.0	.1	.2	.2	.4	.3	.9	1.2	.2					292	292		
9/ 65				.0	.0	.0	.1	.5	.8	1.4	1.3	.6						366	366		
4/ 63				.1	.0	.1	.4	.7	1.2	1.2	1.0	.3						378	378		
5/ 61			.1	.1	.1	.5	.7	1.3	1.4	1.3	1.0	.1						490	490	7	
6/ 59		.0	.1	.1	.4	.6	1.3	1.3	1.5	1.6	.6							569	569	22	
7/ 57		.1	.2	.3	.6	1.0	1.3	1.3	1.4	1.3	.1							564	564	65	
8/ 55		.1	.4	.3	.9	1.4	1.2	1.2	1.1	.9								560	560	120	
9/ 53		.1	.5	1.0	1.4	1.3	1.1	1.1	1.0	.2								569	569	220	
10/ 51		.0	.6	1.7	1.4	1.5	1.2	1.2	.9									633	633	444	
11/ 49		.2	1.2	1.1	1.2	.9	1.0	1.2	.3									531	531	683	
12/ 47		.4	1.5	1.3	.9	.9	.9	1.0	.1									517	517	955	
1/ 45		.4	1.1	1.3	1.1	.9	.9	.4	.0									438	439	1055	
2/ 43		.2	.3	.5	.6	.6	1.0	.1										292	292	955	
3/ 41		.2	.6	.3	.3	.6	.4											183	183	856	
4/ 39		.1	.2	.1	.2	.6	.1											102	102	634	
5/ 37		.0	.1	.1	.2	.4												59	59	517	
6/ 35		.0	.0	.1	.1	.3												46	46	351	
7/ 33			.0	.0	.1	.1												13	13	214	
8/ 31					.0													2	2	157	
9/ 29					.0	.0												2	2	8	
10/ 27																				53	
11/ 25																				15	
12/ 23																				7	
1/ 21																				1	
2/ 19																				414	
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total		
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2012 GELLIS AFB NV  
STATION STATION NAME

70.73-91  
YEARS

APR  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
7 / 77												.1						1	1						
6 / 75											.3	.1	.3	.1				6	9						
5 / 73											.7	.9	.6	.1				19	19						
4 / 71									.1	.6	.4	.9	.1					19	19						
3 / 69							.3	.1	.1	.6	1.1	.2						23	23						
2 / 67							.1	.1	.8	1.3	1.3	.7						39	39						
1 / 65								.7	1.0	1.6	1.4	1.2						53	53						
4 / 63				.1		.1	.7	.7	1.8	1.2	1.4	.2						56	56						
3 / 61					.2	.2	.9	1.2	2.0	.9	1.2	.3						63	63						
2 / 59				.1	.1	.3	.7	2.2	2.4	1.9	.9							78	78						
1 / 57				.3	.2	1.0	1.8	3.1	2.7	1.7	.2							99	99	6					
5 / 55			.1	.3	.8	.8	2.9	2.9	3.1	.9								106	106	7					
4 / 53			.1	.4	.7	1.4	1.6	1.2	3.2	.3								61	91	27	1				
2 / 51			.3	.3	1.0	1.4	2.4	1.7	1.1									75	75	49					
5 / 49			.4	.1	1.1	2.2	1.1	1.9	.6									67	67	76	4				
1 / 47		.6	.2	.6	1.3	1.1	1.0	1.1										23	53	87	6				
4 / 45		.4	.2	.1	.8	1.4	.6	.3										35	35	120	9				
4 / 43				.3	.4	.4	.1	.3										15	15	128	12				
2 / 41			.1	.3	.1		.2											7	7	134	25				
4 / 39			.1	.1		.1												3	3	139	25				
3 / 37																				24	31				
3 / 35																				50	39				
34 / 33																				17	52				
22 / 31																				4	74				
1 / 29																				2	70				
2 / 27																					102				
1 / 25																					85				
2 / 23																					45				
2 / 21																					45				
2 / 19																					52				
1 / 17																					46				
1 / 15																					51				
14 / 13																					46				
1 / 11																					26				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

YEARS

APR  
MONTH

211-020  
HOURS (L. S. T.)



2

## 1

APR  
MONTH

0300-0500  
HOURS (L. S. T.)

**USAFETAC** FORM 0-26-5 (QL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

2112                      NELLIS AFB NV  
STATION                      STATION NAME

70.73-81

YEARS

AF-  
MONTH

PAGE 2

0600-0900  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
1 / 11																						16										
2 / 10																						17										
3 / 9																						14										
4 / 8																						15										
5 / 7																						16										
6 / 6																						17										
7 / 5																						18										
8 / 4																						19										
9 / 3																						20										
10 / 2																						21										
11 / 1																						22										
12 TL		1.3	1.6	3.9	5.7	12.1	16.8	17.1	15.4	12.7	8.6	3.6	1.1	.1				898	898	698	998											
Element (X)	Z <sub>H'</sub>	Z <sub>H</sub>	X̄	S <sub>H</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																				
Rel. Num.	1179203	29761	33.1	14.664	898	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb	2998174	51396	57.2	7.942	898			11.8	2.7	.1		9																				
Wet Bulb	1746283	39299	43.8	5.409	898		1.4					7																				
Dew Point	702222	23672	26.4	9.338	898		67.8					2																				

## PSYCHROMETRIC SUMMARY

2-112                      NELLIS AFB NV  
STATION                      STATION NAME

73,73-81

YEARS

APR  
MONTH

PAGE 1 2900-1100  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

APP  
MONTH

PAGE 2 1900-1100  
HOURS (L. S. T.)

[illegible]

ARMED CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2 112 STATION HELLIS AFB NV 79.73-81 YEARS APR MONTH

PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL																														
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb		Dew Point																														
47 93																	.7	3	3																																	
47 91																	.7	7	7																																	
47 89															.3	.6	1.8	24	24																																	
47 87														.1	.3	1.4	.4	21	21																																	
46 85														.7	1.3	2.0	.1	42	42																																	
46 83												.1		1.0	3.4	1.6	.1	56	56																																	
47 81										.1	.1	.4	1.6	4.2	1.3			70	70																																	
47 79											.2	1.1	3.1	3.7	.1			71	71																																	
47 77										.2	.7	1.9	3.4	1.4				69	69																																	
47 75										.9	1.6	2.9	3.2	.1				76	76																																	
44 73								.1	.2	.7	1.3	2.9	1.6					63	63																																	
44 71							.1	.1	.3	1.4	2.4	2.7						65	65																																	
47 69						.1	.1		.6	1.1	2.1	1.8						52	52																																	
47 67						.1		.3	.8	1.9	2.8	.9						61	61																																	
46 65					.1	.1	.1	.7	.9	2.0	1.9							48	48																																	
47 63					.1	.3	.1	1.1	2.2	2.1	.9							62	62																																	
47 61					.1	.1	.2	.1	.8	1.7	1.4							40	47	12																																
47 59					.1	.1	.2	.3	.6	.7	.6							23	23	34																																
47 57				.1	.1	.2	.3	.6	.3	.3								18	18	71																																
47 55			.1	.2	.1	.2	.4	.3	.1									14	14	109																																
47 53				.2		.4	.3	.1										10	10	141	3																															
47 51					.2		.3	.1										2	2	126	1																															
47 49					.1	.1												2	2	107	3																															
47 47					.1													1	1	92	7																															
47 45																				102	5																															
47 43																				57	5																															
42 41																				35	10																															
47 39																				14	16																															
47 37																						33																														
47 35																						32																														
37 33																						28																														
47 31																						101																														
47 29																						62																														
47 27																						60																														
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ																													
Rel. Hum.																																																				
Dry Bulb																																																				
Wet Bulb																																																				
Dew Point																																																				
Mean No. of Hours with Temperature																																																				
		≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total																																						

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

APR  
MONTH

PAGE 1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2-112                      WELLIS AFB NY  
STATION                      STATION NAME

72,73-81

YEARS

ADP  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]



2

1

YEARS

3F -  
MONTH

PAGE 2 1856-204  
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**0-26-5 (OL A)**

FORM 64

**USAFETAC**

U.S. AIR FORCE CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION WELLIS AFB NV STATION NAME WELLIS AFB NV YEARS 70-73-01 AP-  
 MONTH  
 PAGE 1 0100-0100  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
83														.1				1	1						
81													.2					4	4						
79												.1	.3	.2	.1			7	7						
77										.1	.1	.3	.3	1.1	.1			23	23						
75											.2	.9	2.1	.2				31	31						
73								.1	.1	.2	.7	1.7	1.4	.2				42	42						
71									.1	.3	1.0	2.3	1.3	.1				47	47						
69									.3	.7	1.9	1.6	1.7					55	55						
67							.2	.3	.3	1.9	1.8	1.8	.6					62	62						
65						.1	.1	.7	1.3	2.0	2.0	2.0						74	74						
63						.2	.3	.3	1.1	2.1	2.6	1.2						79	79						
61					.4	.3	.9	1.4	2.2	2.3	2.2	.1						90	90						
59					.2	.4	.8	1.0	2.9	2.0	1.1							92	92	3					
57				.2	.1	.6	1.0	1.3	2.3	1.9	.2							73	73	7					
55		.1	.3	.1	.2	.4	1.6	1.7	1.7	1.6								69	69	74					
53			.2	.3	.4	1.1	1.2	1.2	1.3	.4								67	67	68					
51			.1	.4		1.1	.6	1.2	.4	.1								36	36	49	1				
49		.2	.6		.4	1.2	.6	.4	.3									34	34	110	2				
47				.1	.7	.3	.6	.2	.1									18	18	153	13				
45				.3	.3		.1											7	7	129	11				
43							.1											1	1	127	10				
41																				123	23				
39																				65	16				
37																				61	18				
35																				13	61				
33																				2	42				
31																				1	69				
29																					76				
27																					79				
25																					61				
23																					36				
21																					62				
19																					53				
17																					37				
Element (X)	Σ X'			Σ X			Σ			Σ			Σ			Σ			Mean No. of Hours with Temperature						
Rel. Hum.																			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									





CLIMATE CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2012 NELLIS AFB NV 70.73-91 APR MONTH  
STATION STATION NAME YEARS  
PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
95																	.1	7	7		
93																	.1	7	7		
91																	.3	19	19		
89																.1	.6	55	55		
87														.3	.2	.6	.2	76	76		
85													.2	.2	.5	.9	.1	118	118		
83												.0	.1	.4	1.2	.6	.7	166	166		
81											.0	.3	.3	1.4	.4	.4		210	210		
79										.0	.2	.6	1.4	1.4	.0			270	270		
77									.0	.1	.4	.8	1.7	.6				263	263		
75									.0	.4	.8	1.8	1.5	.1				326	326		
73							.0	.2	.2	.6	1.2	1.6	.8					325	325		
71						.0	.1	.1	.4	1.0	1.8	1.6	.1					367	367		
69					.0	.2	.1	.2	.7	1.4	1.6	1.2						383	383		
67					.0	.1	.1	.4	1.2	1.5	1.8	.5						402	402		
65					.0	.1	.2	.4	1.0	1.4	1.6	1.4						435	435		
63				.1	.1	.2	.3	.5	1.5	1.8	1.7	.7						488	488		
61				.0	.1	.3	.5	.2	1.6	1.6	1.4	.1						457	457	34	
59			.0	.1	.2	.3	.7	1.3	1.8	1.4	.8							455	455	95	
57		.0	.1	.2	.2	.5	.8	1.7	1.6	1.1	.2							455	455	262	
55		.0	.1	.2	.4	.6	1.3	1.5	1.5	.7								459	459	400	2
53		.0	.1	.3	.4	.9	1.1	1.3	1.2	.2								386	386	576	13
51		.0	.1	.2	.3	.9	1.1	1.1	.4	.0								296	296	753	10
49		.1	.3	.2	.5	1.0	.7	.8	.1									268	268	795	18
47		.2	.1	.2	.6	.5	.8	.3	.1									204	204	805	48
45		.1	.1	.2	.4	.6	.3	.1										139	139	863	71
43		.1	.1	.2	.2	.4	.2	.1										84	84	781	91
41			.0	.3	.1	.1	.1											49	49	680	131
39			.0	.1	.0	.1	.0											20	20	495	169
37			.0	.2		.1	.0											8	8	335	212
35																				200	323
33																				80	334
31																				26	659
29																				9	540
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						Total		
Rel. Hum.													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F			
Dry Bulb																					
Wet Bulb																					
Dew Point																					

2

●

**APR**  
**MONTH**

ALL  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISÉD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27112 KELLIS AFB NV 70.73-81 MAY  
STATION STATION NAME YEARS MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 85															.1	.1		2	2		
4/ 83													.2	.2	.2	.2		6	8		
1/ 81												.1	.8	.3	.5			16	16		
1/ 79									.1	.2	.3	.3	1.4	1.1	.9			40	40		
7/ 77								.3		.1	.8	.9	1.0	1.7	.4			48	48		
26/ 75								.3	.5	.3	.2	2.0	2.3	1.5				67	67		
24/ 73							.3	.1	.3	.6	1.4	2.6	2.7	.2				77	77		
22/ 71							.5	.1	.5	1.4	2.5	2.8	1.5					87	87		
1/ 69						.1	.3	.1	1.3	2.2	1.7	2.0	.5					77	77		
1/ 67					.1	.2	.5	.5	1.9	2.3	2.7	1.5	.1					67	67		
16/ 65				.1	.2	.3	.2	.6	1.6	2.8	2.4	.6						83	83		
14/ 63				.3	.3	.2	.3	1.0	1.8	1.6	1.2							63	63	4	
1/ 61			.1	.1	.4	.3	.1	1.5	1.7	1.5	.8							61	61	8	
1/ 59				.5	.6	.4	1.1	1.3	1.3	1.5								61	61	29	
1/ 57		.1	.4	.6	.4	.8	.5	1.1	1.0	.8								53	53	35	
9/ 55		.1	.2		.3	.2	.5	.5	1.7	.1								35	35	70	5
4/ 53		.2	.3	.3	.3		.6	.3	.3	.1								26	26	116	11
2/ 51		.1	.5	.2	.3	.4	.2	.1	.1									19	19	150	15
1/ 49			.1	.2	.3		.2	.1										9	9	166	21
1/ 47		.1	.3		.3		.1											6	6	118	18
4/ 45				.2			.1											3	3	91	27
14/ 43																				70	19
12/ 41																				37	34
11/ 39																				26	37
2/ 37																				7	49
1/ 35																				2	59
3/ 33																				1	69
2/ 31																					95
1/ 29																					67
2/ 27																					62
1/ 25																					78
1/ 23																					41
2/ 21																					66
1/ 19																					51
Element (X)	Σ X <sup>2</sup>		Σ X		X		σ <sub>X</sub>		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) 0-26-5 (OL A) 0-26-5 (OL A)

USAFETAC

2

1

WJ-73-81

YEARS

MLV  
MONTH

244-9244  
HOURS (L. S. T.)

1

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

20112	NELLIS AFB NV
STATION	STATION NAME

73,73-81

YEARS

DAY  
MONTH

PAGE 1

0300-05-1  
HOURS (L. S. T.)

[illegible]

2.

**YEARS**

1 DAY  
MONTH

PAGE 2

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2112 WELLS AFB NV 70.73-81 MAY  
STATION STATION NAME YEARS MONTH  
PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL																					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
91																	.1	1	1																			
89																	.1	2	2																			
87														.2	.1		.2	5	5																			
85														.3	.3	.3		9	9																			
83											.1	.1	.2	.6	.9	.1		19	19																			
81										.1	.1	.6	1.3	.5	.1			26	26																			
79									.1	.3	.3	.4	1.8	.8	1.0			44	44																			
77								.2	.2	.3	.5	1.5	1.9	1.5				58	58																			
75								.2	.3	.8	.8	2.5	2.6	.8				73	73																			
73							.3	.5	.3	1.0	2.2	2.4	1.8	.1				80	80																			
71						.1	.3		.8	.8	3.0	3.7	.6					86	86																			
69					.1	.2	.4	.4	1.1	1.3	2.7	2.2	.2					80	80																			
67					.2	.1	.3	.8	1.4	2.0	1.5	1.2						70	70																			
65					.1	.1	.1	.8	2.5	2.3	1.6	.4						73	73	1																		
63				.1	.3	.1	.6	1.0	1.8	1.9	.6	.1						62	62	5																		
61		.3		.1	.6	.2	.9	1.7	.8	1.0	.1							53	53	20																		
59			.6	.5	.5	.5	1.1	1.2	1.4	1.0	.1							60	60	34																		
57			.2	.1	.1	.5	.9	1.5	1.2	.3								45	45	57																		
55			.1	.3	.5	.6	1.2	.6	.4	.1								35	35	67																		
53		.2	.3	.4	.3	.3	.2	.4										21	21	127																		
51		.2	.2	.3	.2	.3	.4	.4	.1									21	21	161																		
49		.3	.1	.1		.1		.1										7	7	149																		
47																				111																		
45																				73																		
43																				52																		
41																				31																		
39																				12																		
37																				5																		
35																				82																		
33																				80																		
31																				101																		
29																				78																		
27																				84																		
25																				54																		
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ																			
Rel. Hum.																																						
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						
Mean No. of Hours with Temperature																				Total																		
		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F								Total																		

USAFETAC FORM 0-20-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



**USAFETAC** FORM 0-26-S (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

2012                      WELLIS AFB NV  
STATION                      STATION NAME

70.73-81

YEARS

    MAY      
MONTH

PAGE 1

2930-1120  
HOURS (L. S. T.)



CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

20112  
STATION

WELLIS AFB NV

STATION NAME

70.73-81

YEARS

MAY  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL																
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
1 / 105																	.2	2	2																
1 / 103																	.3	3	3																
1 / 101																	1.1	10	10																
1 / 99																	1.7	16	16																
1 / 97																	2.3	21	21																
1 / 95															.1	.1	4.6	47	47																
1 / 93														.1	.2	.4	6.0	63	63																
1 / 91													.1	.3	.3	1.0	7.2	81	81																
1 / 89												.1	.1	1.1	1.9	6.5	90	90																	
1 / 87												.2	.4	.3	1.0	3.0	3.3	77	77																
1 / 85											.2	.3	.4	1.2	2.0	6.1	.3	99	99																
1 / 83											.3	.3	.1	1.1	2.8	3.1		72	72																
1 / 81									.1	.2		.1	.9	1.4	1.9	.8		50	50																
1 / 79											.3	.8	1.1	1.9	1.2			49	49																
1 / 77											.4	1.0	1.7	1.5	.5			48	48																
1 / 75										.5	.3	.2	1.5	.9				32	32																
1 / 73									.3	.2	.3	1.2	.8	.8				33	33																
1 / 71							.2	.1	.6	.6	.8	.3	1.2	.1				37	37																
1 / 69						.1	.1	.3	.5	.2	.1	.3	.2	.1				24	24																
1 / 67				.1		.1	.3	.5	.2	.1	.3	.2						18	18	7															
1 / 65						.1	.2	.1	.3	.9	.3	.1						19	19	21															
1 / 63					.1		.1	.2	.5	.4	.1							14	14	52															
1 / 61						.1	.2	.1	.3	.1	.1							9	9	119															
1 / 59				.1		.3	.1	.2	.1	.2								10	10	146															
1 / 57					.1	.1	.1	.1										4	4	169															
1 / 55						.1												1	1	155															
1 / 53						.1												1	1	103															
1 / 51																				60															
1 / 49																				41															
1 / 47																				35															
1 / 45																				12															
1 / 43																				5															
1 / 41																				3															
1 / 39																																			
Element (X)	Σ X'			Σ X			Σ			Σ			Σ			Σ			Σ																
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			
												Mean No. of Hours with Temperature																							
												≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																	

2

YEARS

72, 73-81

44 Y  
MONTH

PAGE 7 135-14  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMAR

2 412      HELLIS AFB NV  
STATION

70,73-91

DAY  
MONTH

PAGE 1 1000-170  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

2012  
STATION

WELLS AFB NV

STATION NAME

75-73-81

YEARS

4, A Y  
MONTH

PAGE 2

1500-1700  
MORRIS, J. S. J.

[illegible]





2

## YEARS

70-73-81

441

PAGE 2 1800-2200  
HOURS (L. S. T.)

**USAFETAC**  
FORMS  
JUL 64  
U-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 SAFETYAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2 112 STATION WELLS AFB NV STATION NAME 70-73-81 YEARS 4 MAY MONTH

PAGE 1 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
47/ 93																	.1	1	1			
47/ 91																	.2	3	3			
47/ 89														.1			.5	7	7			
47/ 87											.1			.2			.3	17	17			
46/ 85												.1		.3	.6	1.9	.1	29	29			
46/ 83											.2	.2	.2	1.2	1.4	.8		37	37			
46/ 81										.3	.2	.6	.8	2.9	2.3	.3		69	69			
46/ 79									.1	.5	.3	1.7	3.5	3.1				86	86			
74/ 77								.1	.3	.3	.3	1.0	3.0	4.4	.6			94	94			
74/ 75								.1	.2	.4	1.2	1.8	3.5	2.9	.1			95	95			
74/ 73								.6	.1	.6	1.3	1.9	2.8	1.1				79	79			
72/ 71							.1	.1	.4	.8	1.6	2.8	2.4					72	72			
71/ 69						.2	.6	.1	.4	1.1	1.0	1.8	1.0					58	58			
67/ 67					.1	.2	.5	.2	1.0	1.4	2.3	.9	.1					62	62	1		
67/ 65				.1	.4	.1	.2	.3	1.0	1.5	1.3	.5						51	51			
47/ 63			.1	.1	.1	.4	.2		1.0	1.0	.9							35	35	10		
47/ 61				.2		.1	.3	.6	1.2	.6	.6							39	39	16		
47/ 59			.1	.4	.4	.2	1.1	.2	.3	.9	.1							35	35	41		
47/ 57				.6		.5	.1	.8	.2	.4								25	25	68	2	
47/ 55			.3		.2		.2	.3										10	10	138	2	
47/ 53			.1	.2	.1	.3	.1	.1	.1									10	10	155	12	
47/ 51				.1		.5	.1	.1										8	8	157	17	
47/ 49			.3		.1	.1												5	5	143	19	
47/ 47																				86	17	
47/ 45																				51	20	
44/ 43																				34	19	
42/ 41																				19	20	
41/ 39																				6	27	
37/ 37																				2	47	
35/ 35																					51	
33/ 33																					44	
32/ 31																					99	
31/ 29																					82	
29/ 27																					63	
Element (X)	Σ X'			Σ X			Σ			°			No. Obs.			Mean No. of Hours with Temperature						
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

1

    M    J    Y      
MONTH

HOURS (L. S. T.)

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OL A)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 2112 WELLS AFB NV STATION NAME 70.73-81 YEARS MAY MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
10 / 139																	.1	5	5				
10 / 138																	.1	9	9				
10 / 131																	.3	22	22				
10 / 129																	.7	55	55				
10 / 97																	.0	68	68				
10 / 95																.0	1.9	145	145				
10 / 93															.0	.1	2.4	193	193				
10 / 91													.0	.1	.1	.3	2.5	223	223				
10 / 89												.0	.1	.2	.3	.8	2.9	317	317				
10 / 87											.0	.1	.1	.3	.5	1.9	1.6	332	332				
10 / 85											.0	.1	.2	.5	1.1	3.0	.1	377	377				
10 / 83										.0	.1	.2	.3	.9	1.8	1.3		344	344				
10 / 81									.0	.1	.1	.3	.7	1.7	1.9	.6		405	405				
10 / 79									.1	.1	.3	.5	1.5	1.7	1.7			436	436				
10 / 77								.1	.2	.1	.5	.9	1.5	2.0	.5			436	436				
10 / 75							.0	.2	.2	.4	.5	1.5	2.1	1.4	.0			468	468				
10 / 73							.1	.2	.2	.5	1.1	1.5	1.6	.5				437	437				
10 / 71						.0	.3	.1	.4	.7	1.5	1.8	1.2	.0				459	459				
10 / 69					.0	.2	.2	.3	.6	.9	1.4	1.4	.4					404	404				
10 / 67				.0	.1	.1	.3	.4	.9	1.2	1.3	.8	.1					379	379	19			
10 / 65			.0	.1	.2	.2	.5	1.2	1.4	1.1	.4							383	383	68			
10 / 63		.0	.0	.1	.2	.1	.3	.6	.9	1.1	.6	.0						301	301	164			
10 / 61		.1	.1	.1	.2	.2	.4	.9	.9	.6	.3							281	291	417			
10 / 59		.0	.0	.3	.3	.3	.6	.8	.8	.7	.0							286	286	654	1		
10 / 57		.0	.2	.3	.2	.4	.4	.8	.6	.3								225	225	879	10		
10 / 55		.0	.1	.2	.3	.2	.3	.4	.4	.1								161	161	951	34		
10 / 53		.1	.1	.2	.2	.2	.2	.2	.1	.0								104	104	916	75		
10 / 51		.1	.2	.1	.1	.2	.2	.2	.1									92	92	948	91		
10 / 49		.1	.1	.1	.1	.1	.1	.1	.0									51	51	624	110		
10 / 47		.1	.1	.0	.1	.0	.0	.0										24	24	600	132		
10 / 45			.0	.0	.0	.0	.0											9	9	417	177		
10 / 43				.0														1	1	283	173		
10 / 41																				160	221		
10 / 39																				82	290		
Element (X)	Σ X'		Σ X		Σ		%		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																							
Wet Bulb																							
Dew Point																							

2

YEARS                      MAY  
MONTH

70,73-81

MAY  
MONTH

PAGE 2

ALL  
HOURS (L-S-T)

**USAFETAC** FORM 0-26-5 (OL A)  
MAY 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27112  
STATION

NELLIS AFB NV

STATION NAME

69-70, 73-60

YEARS

JUN

MONTH

PAGE 1

1000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					Dry Bulb	Wet Bulb	Dew Point
100/99																	.1	1	1					
98/97																	.2	2	2					
96/95																.2	.3	5	5					
94/93																.1	.3	6	6					
92/91															.2	.6	.2	.6	14	14				
90/89													.1	.7	.4	.7	1.7	32	32					
88/87										.1		.1	.4	.3	.8	1.9	1.0	42	42					
86/85												.4	.1	.6	1.3	3.2		51	51					
84/83									.1			.3	.4	1.8	2.6	2.1		66	66					
82/81											.1	.7	1.2	2.9	2.4	.7		72	72					
80/79										.3	.7	1.1	1.9	2.4	2.9			84	84					
78/77									.1	.2	.8	2.4	3.6	4.9	.9			116	116					
76/75								.2	.2	.7	.9	1.9	4.2	2.8				98	98					
74/73								.2	1.0	.7	.9	2.4	2.3	1.2				79	79					
72/71							.2	.2	.1	.7	2.4	3.0	2.0					78	78					
70/69							.1	.2	.2	.4	2.1	2.7	1.3					64	64			1		
68/67					.2	.2	.2	.3	.3	.9	1.2	1.2	.2					44	44			3		
66/65				.1	.3		.2	.1	.2	.6	.3							17	17			11		
64/63					.1		.1	.3	.2	.2	.8	.1						17	17			22		
62/61								.1	.1		.3							5	5			29		
60/59									.3	.1	.2							6	6			67	1	
58/57									.1									1	1			126	1	
56/55																						143	2	
54/53																						135	8	
52/51																						163	9	
50/49																						99	15	
48/47																						57	14	
46/45																						23	24	
44/43																						16	23	
42/41																						3	23	
40/39																						2	36	
38/37																								42
36/35																								55
34/33																								72
Element (X)	Σ X'				Σ X				Σ				Σ				Σ				No. Obs.			
Rel. Hum.																					Mean No. of Hours with Temperature			
Dry Bulb																					≤ 0 F			
Wet Bulb																					≤ 32 F			
Dew Point																					≥ 67 F			
																					≥ 73 F			
																					≥ 80 F			
																					≥ 93 F			
																					Total			







2

## 2

YEARS

2300-0500  
HOURS (L, S, T.)

**USAFETAC**  
**FORM**  
**0-26-5 (OL A)**  
**REV 44**  
**REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE**

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
405 WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2112 NELLIS AFB NV  
STATION STATION NAME

69-70-73-87  
YEARS

JUN  
MONTH

PAGE 1 2600-000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
10/ 89																	.3	3	3						
9/ 95																	.1	.8	8	2					
4/ 93																.3	.1	1.4	17	17					
1/ 91											.1				.1	.2	.4	1.7	23	23					
1/ 89											.1		.1	.7	.8	1.4	2.0	46	46						
4/ 87												.1	.6	.2	1.0	1.1	1.7	36	36						
6/ 85												.2	.7	1.1	2.7	2.4	.1	65	65						
4/ 83									.1		.1	1.0	1.1	1.8	2.9	1.8		79	79						
1/ 81										.1	.8	.6	3.2	2.6	3.4	.4		102	102						
1/ 79										.3	.6	1.6	2.4	4.0	1.3	.1		93	93						
7/ 77										.3	.8	1.8	3.3	2.5	.6			84	84						
6/ 75								.2	.3	1.0	.6	2.2	2.7	1.9				80	80						
4/ 73								.3	.1	.3	.9	1.6	2.8	1.8	.2			72	72						
7/ 71								.2	.2	.4	.9	1.9	2.1	1.9				69	69						
1/ 69					.1	.4		.3	.4	.9	2.0	1.0	.8					54	54	1					
1/ 67						.1	.1	.2	.6	1.0	1.1	.8	.2					37	37	3					
6/ 65				.1					.1	.2	.3	.2						9	9	11					
4/ 63				.1				.3	.1	.3	.7	.2	.1					17	17	25					
2/ 61									.2	.1								3	3	62					
1/ 59									.2									2	2	101					
1/ 57									.1									1	1	146	2				
5/ 55																				145	3				
4/ 53																				158	8				
2/ 51																				106	10				
1/ 49																				78	12				
4/ 47																				36	25				
1/ 45																				19	38				
4/ 43																				7	18				
2/ 41																				1	24				
4/ 39																					64				
3/ 37																					63				
1/ 35																					73				
3/ 33																					78				
2/ 31																					92				
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Mean No. of Hours with Temperature						
Rel. Hum.																			≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									



## PSYCHROMETRIC SUMMARY

2112	WELLIS AFB NV
STATION	STATION NAME

69-70, 73-80

**YEARS**

MONTH

PAGE 1 0900-11  
HOURS (L. S. )

[illegible]

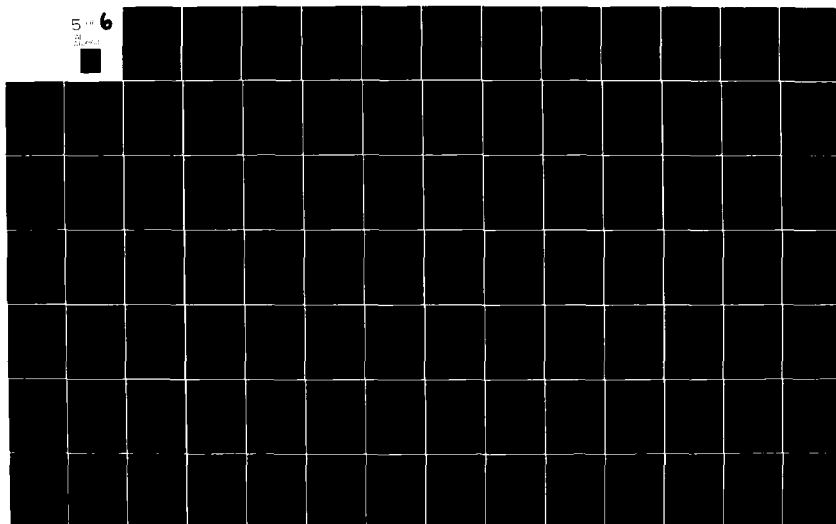
AD-A113 154 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NELLIS AFB, LAS VEGAS, NEVADA. REVISED UNIFORM SUMMARY OF SURFA--ETC(11)  
OCT 81

UNCLASSIFIED USAFETAC/DS-81/104

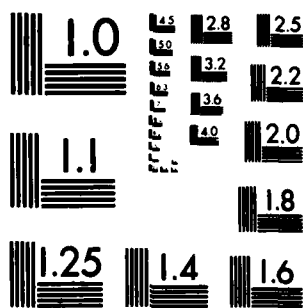
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A







2.

## 1

69-73,73-dC

**YEARS**

**JUL**  
**MONTH**

PAGE 2 1000-1440  
HOURS (L. S. T.)

**USAFETAC** FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
AR 64



## PSYCHROMETRIC SUMMARY

2112                      WELLIS AFB NV  
STATION                      STATION NAME

69-70, 73-80

YEARS

**JUN**  
**MONTH**

PAGE 2 1500-1700  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2-112                      NELLIS AFB NV  
STATION                      STATION NAME

69-73, 73-80

**YEARS**

**JULY**  
**MONTH**

PAGE 7 1600-2000  
HOURS (L. S. T.)

**HOURS (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

2112  
STATION

WELLIS AFB NV

69-70, 73-80

JUN

PAGE 1

2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31		Dry Bulb	Wet Bulb	Dew Point
1 - / 103																		.2	2	2	
1 - / 101																		.3	3	3	
1 - / 99																		.4	4	4	
1 - / 97																		1.6	14	14	
1 - / 95															.2	.8	3.1	37	37		
1 - / 93															.4	.3	3.2	36	36		
1 - / 91														.1	.3	1.6	5.3	66	66		
1 - / 89													.2	.2	.3	1.4	5.1	66	66		
1 - / 87										.1			.3	.3	1.0	3.9	4.4	91	91		
1 - / 85									.1	.1	.2	.6	2.8	7.1	.2		100	100			
1 - / 83											.4	.3	2.0	4.9	3.0		104	104			
1 - / 81									.2	.1	.1	.3	.4	3.8	4.7	.6	92	92			
1 - / 79									.2	.3	.7	.4	1.8	3.6	3.6		95	95			
1 - / 77									.2	.2	.8	.6	1.6	2.8	.8		62	62			
1 - / 75										.6	.1	.7	1.3	2.2			44	44			
1 - / 73										.2	.4	1.0	1.2	1.1			36	36			
1 - / 71						.1	.3	.1	.1	.1	.3	.8	.8				24	24			
1 - / 69					.3	.2			.2	.1	.1	.2	.4				15	15			
1 - / 67							.1		.1	.1	.2						5	5	9		
1 - / 65					.1				.2								3	3	25		
1 - / 63								.1									1	1	28		
1 - / 61																			76		
1 - / 59																			120		
1 - / 57																			191	2	
1 - / 55																			195	6	
1 - / 53																			130	7	
1 - / 51																			83	5	
1 - / 49																			34	10	
1 - / 47																			18	19	
1 - / 45																			1	19	
1 - / 43																				26	
1 - / 41																				16	
1 - / 39																				14	
1 - / 37																				35	
Element (X)	$\Sigma x^1$	$\Sigma x$	$\bar{x}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature															
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**0-26-S (OL A)**

ROOM

**USAFETAC**

## PSYCHROMETRIC SUMMARY

**YEARS**

2100-230  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

2-112  
STAT

NELLIS AFB NV

69-70, 73-8C

YEARS

1000

PAGE 1

**ALL**

1992

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				n 31	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
11 / 117																	.0	1	1					
11 / 115																	.0	2	2					
11 / 113																	.3	19	19					
11 / 111																	.4	30	30					
11 / 109																	1.0	75	75					
11 / 107																	2.0	141	141					
11 / 105																	2.1	150	150					
11 / 103																	2.8	204	204					
12 / 101																	3.7	266	266					
12 / 99																.0	3.7	265	265					
12 / 97																.1	4.4	320	320					
12 / 95														.0	.1	.2	5.0	389	389					
12 / 93													.0	.0	.2	.3	5.1	410	410					
12 / 91											.0	.0	.0	.1	.3	.9	4.3	411	411					
12 / 89										.0	.0	.2	.4	.7	1.6	3.3	448	448						
12 / 87									.0	.0	.1	.3	.5	1.0	2.1	1.8	420	420						
12 / 85									.0	.1	.2	.4	.6	1.4	3.4	.1	436	436						
12 / 83								.0	.0	.1	.3	.5	1.1	2.1	1.4		405	405						
12 / 81							.1	.1	.2	.4	.9	1.7	2.0	.4			412	412						
12 / 79						.1	.2	.3	.6	1.1	1.9	1.4	.0				401	401						
12 / 77						.0	.1	.3	.5	.9	1.6	1.7	.3				391	391						
12 / 75						.0	.1	.4	.4	1.0	1.5	1.2					342	342						
12 / 73						.0	.1	.3	.7	1.4	1.2	.5					325	325						
12 / 71						.0	.2	.4	.9	1.2	1.0						285	285	20					
12 / 69					.1	.1	.0	.1	.2	.4	.9	.5					227	227	141					
12 / 67					.1	.1	.1	.1	.6	.6	.6	.1					174	174	339					
12 / 65				.0	.1	.0	.0	.1	.2	.4	.3	.2					94	94	541					
12 / 63			.0	.1	.0		.1	.1	.2	.3	.3	.1					83	83	576					
12 / 61			.0	.0			.1	.0	.1	.1	.1						36	36	960					
12 / 59							.0	.0	.2	.1	.1						23	23	934	5				
12 / 57								.0	.1	.0							6	6	909	12				
12 / 55							.0	.0	.0	.0							5	5	803	27				
12 / 53								.0									1	1	660	43				
12 / 51								.0									1	1	553	57				
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature											
Ref. Num.													± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total					
Dry Bulb																								
Wet Bulb																								
Dew Point																								







GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

20112 NELLIS AFB NV 69-70.73-80 JUL MONTH

PAGE 1 0100-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point	
31																					40	
30																					44	
29																					46	
28																					47	
27																					22	
26																					34	
25																					24	
24																					17	
23																					9	
22																					2	
21																					7	
20																					930	
19																					970	
18																						
17																						
16																						
15																						
14																						
13																						
12																						
11																						
10																						
9																						
8																						
7																						
6																						
5																						
4																						
3																						
2																						
1																						
0																						
Element (X)	Σ X'		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum.	779680		23346		25.1		14.437		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F	
Dry Bulb	6556338		77864		83.7		6.328		930				92.5		39.2		69.1		6.3		97	
Wet Bulb	3449519		56335		60.6		6.312		930				21.2		.2						93	
Dew Point	1765857		38435		41.3		13.819		930				30.2		.3						97	

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

2 112  
STATIS

NELLIS AFB NV

69-70, 73-80

141

**MONTH**

PAGE 1

0300-0500  
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THE FORM ARE OBSOLETE

**0-26-5 (OL A)**

**USAFETAC**

24

## 24

333  
MONTH

7700-0500  
HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

20112 NELLIS AFB NV 69-70.73-80 JUL  
STATION STATION NAME YEARS MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point			
100 / 99																	.1	1	1	1			
99 / 97														.1	.1	.3	.5	10	10				
98 / 95													.3	.4	.6	.1	1.5	28	28				
97 / 93												.2	.8	1.2	1.4	.4	.6	43	43				
96 / 91											.4	1.2	1.6	2.2	1.3	.4	2.0	85	85				
95 / 89										.1	.5	1.7	2.5	2.2	1.1	1.8	1.2	103	103				
94 / 87										1.6	1.1	3.0	.9	.9	1.6	2.2	.3	107	107				
93 / 85							.1	.4	.9	1.2	2.0	1.6	1.2	1.3	1.8	1.8	.5	120	120				
92 / 83							.1	.5	1.6	.5	1.9	1.0	1.2	1.6	2.0	.2	.1	101	101				
91 / 81						.1	.9	1.0	.8	.5	1.1	.6	1.0	1.9	.9	.3		84	84				
90 / 79						.6	.6	.9	.1	.4	.5	.8	2.3	1.2	.8			76	76				
89 / 77					.6	.5	.6	.3	.3	.5	.3	.6	1.6	1.8	.1			71	71				
88 / 75			.2	.4	.1	.1	.1	.1	.2		.6	.9	.3					29	29				
87 / 73			.6	.1	.1	.1				.3	.9	.4	.4					27	27				
86 / 71		.4			.2	.1				.3	.9	.5						23	23	24			
85 / 69		.1					.1		.2	.3	.8							14	14	25			
84 / 67										.3								3	3	129	3		
83 / 65									.1	.1	.2							4	4	127	21		
82 / 63										.1								1	1	85	17		
81 / 61																				81	54		
80 / 59																				88	43		
79 / 57																				97	40		
78 / 55																				78	52		
77 / 53																				52	59		
76 / 51																				35	62		
75 / 49																				21	63		
74 / 47																				12	43		
73 / 45																				2	30		
72 / 43																				3	23		
71 / 41																						21	
70 / 39																						29	
69 / 37																						36	
68 / 35																						50	
67 / 33																						55	
Element (X)	Σ R'		Σ R		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.													± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total				
Dry Bulb																							
Wet Bulb																							
Dew Point																							



## PSYCHROMETRIC SUMMARY

2012                      WELLIS AFB NV  
STATION                      STATION NAME

69-7C, 73-80

**YEARS**

MONTE

PAGE 1 0900-1100  
HOURS 11:00 A.M. - 1:00 P.M.

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 1

**USAFETAC**



## PSYCHROMETRIC SUMMARY

2-112      WELLS AFB NV  
STATION      STATION NAME

69-72, 73-82

**YEARS**

**MONTH**

PAGE 2

100-111  
NOV 11 1964

## PSYCHROMETRIC SUMMARY

2112  
STATION

WELLS AFB NV

STATION NAME

69-7C, 73-8C

YEARS

JUL

**MONTH**

PAGE 1

1206-1420  
HOURS (L. S. T.)



OFFICIAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2112 VELLIS AFB NV 69-70,73-80 JUL  
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point	
11 / 115																	.3	3	3		
11 / 113																	.6	6	6		
11 / 111																	3.0	28	28		
11 / 109																	9.0	84	34		
1 / 107																	15.2	141	141		
1 / 105																	15.4	143	143		
1 / 103																.3	15.7	149	149		
1 / 101															.1	1.6	9.6	136	136		
1 / 99														.2	1.4	1.1	6.1	62	62		
1 / 97													.2	.4	1.2	.5	4.9	68	68		
1 / 95									.1		.4	.4	1.2	.5	.4	1.6	44	44			
1 / 93								.1		.1	.2	.5	.5	.2		.6	22	22			
1 / 91									.1	.1	.2	.6	.2	.3	.1		15	15			
1 / 89									.1	.1	.4	.1	.1	.1			8	8			
1 / 87								.1			.1		.1				3	3			
1 / 85							.1		.5		.1						7	7			
1 / 83					.1	.1		.4	.4								10	10			
1 / 81						.1	.1	.2									4	4			
1 / 79								.2									2	2	2		
7 / 77						.1		.1									2	2			
7 / 75					.1	.1											2	2	4		
7 / 73																			35		
7 / 71					.1												1	1	134		
7 / 69																			266		
6 / 67																			223		
6 / 65																			167		
4 / 63																			49		
4 / 61																			41		
4 / 59																			9		
4 / 57																					
5 / 55																					
4 / 53																					
4 / 51																					
5 / 49																					
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature								
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																					
Wet Bulb																					
Dew Point																					

## PSYCHROMETRIC SUMMARY

2012                      WELLIS AFB NV  
STATION                      STATION NAME

WELLS AFB NV

69-12,73-80

**YEARS**

WILL  
MONTANA

MONITOR

PAGE 2 1500-1700  
HOURS [L. S. T.]

1500-1700  
HOURS (L. S. T.)

MOORE (L. S. T.)



## PSYCHROMETRIC SUMMARY

2 112      NELLIS AFB NV  
STATION      STATION NAME

69-73, 73-85

**YEARS**

**MONY**

PAGE 2 1500-2000  
HOURS (L. S. T.)

REVISED INTERVIEWS E.G. FORMS OF THIS FORM ARE OBSOLETE

**0-26-5 (OL A)**

USAFETAC FORM 100-104

JOINT CLIMATOLOGY BRANCH  
AFMSTAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2112  
STATION

WELLIS AFB NV  
STATION NAME

69-72,73-90  
YEARS

JUL  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
1 / 107																	.1	1	1					
1 / 103																	.2	2	2					
1 / 101																	1.1	10	10					
1 / 99																.4	2.2	24	24					
1 / 97													.1	.1	1.3	1.5	4.1	63	63					
1 / 95													.4	1.2	1.9	2.7	4.5	100	100					
1 / 93												.7	1.5	1.7	2.7	2.3	5.6	129	129					
1 / 91											.2	1.2	1.3	2.2	1.3	2.3	5.4	126	126					
1 / 89										.2	1.1	2.0	1.1	.8	1.8	1.5	5.7	134	134					
1 / 87									.2	.4	.2	.8	.3	.6	1.0	3.7	2.4	89	89					
1 / 85									1.3	.8	.6	.6	.8	.4	1.3	3.2	.5	89	89					
1 / 83								.6	.2	.8	.5			.2	3.1	1.6		66	66					
1 / 81							.4	.5	.1	.2	.1			.9	1.3	.2		34	34					
1 / 79						.3	.2	.5		.1	.1			.4	.6			28	28					
7 / 77					.1	.8	.1	.1						.3	.2			15	15					
7 / 75				.1	.4		.1						.2	.1				9	9					
7 / 73				.4	.1								.1					6	6	2				
7 / 71				.1	.2													2	2	27				
7 / 69			.2	.1														3	3	111				
6 / 67																				145				
6 / 65																				118	12			
4 / 63																				95	24			
2 / 61																				103	33			
1 / 59																				95	37			
1 / 57																				116	36			
5 / 55																				75	48			
4 / 53																				30	34			
2 / 51																				12	52			
1 / 49																				1	56			
1 / 47																					38			
1 / 45																					30			
4 / 43																					44			
12 / 41																					31			
4 / 39																					32			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X			
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								
Mean No. of Hours with Temperature																		± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)



## PSYCHROMETRIC SUMMARY

2012                      WELLIS AFB NV  
STATION                      STATION NAME

69-70, 73-80

**YEARS**

MONTH

PAGE 2

2100-2310  
HOURS (L, S, T)

## PSYCHROMETRIC SUMMARY

2112                      WELLIS AFB NV  
STATION                      STATION NAME

69-72, 73-82

YEARS

\_\_\_\_\_  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2112                      NELLIS AFB NV  
STATION                      STATION NAME

69-70, 73-62

YEARS

AUG  
MONTM

PAGE 1

0000-0200  
HOURS (L.S.T.)

2

\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTH

69-72, 73-9C

PAGE 2 2000-0240  
HOURS (L. S. T.)

**USAFETAC**  
FORM  
JUL 84  
**0-26-5 (OL A)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

2 112                      NELLIS AFB NV  
STATION                      STATION NAME

67-72, 73-80

YEARS

AUG  
MONTH

PAGE 1

2300-0510  
HOURS (L. S. T.)

**USAFETAC** FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 64





## PSYCHROMETRIC SUMMARY

2112                      NELLIS AFB NV  
STATION                      STATION NAME

69-72, 73-80

YEARS

AUC  
MONTH

PAGE 2

1600-0900  
HOURS (L. S. T.)

JUNIOR CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

20112  
STATION

WELLIS AFB NV  
STATION NAME

69-70,73-80  
YEARS

MONTH

403  
MONTH

PAGE 1 3900-110  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb			Wet Bulb			Dew Point	
11 / 17																	.1	1			1				
1 / 127																	.3	3			3				
1 / 105																	.9	8			9				
1 / 103																	.6	3.8			4.1				
1 2 / 101																.4	1.0	3.4			4.5				
1 / 99														.1	.4	2.3	1.5	4.6			8.3				
1 / 97														.2	1.2	2.9	1.0	6.0			10.4				
1 / 95													.3	1.4	3.0	1.6	1.6	4.7			11.8				
1 / 93													.6	2.4	1.4	1.3	1.5	5.6			11.9				
1 / 91											1.0	1.5	.9	.9	.5	1.2	4.1			9.3					
1 / 89										.4	.6	.6	.5	.5	1.3	2.3	3.9			9.5					
1 / 87							.1		.2	.5	.3	.3	1.1	.5	.6	2.4	.8			6.4					
6 / 85							.3	1.0	.4	.3	.5	.1	.8	1.7	1.8					6.5					
1 / 83							.1	.4	.2	.2	.5	.2	.2	1.0	1.1	.3				4.0					
1 / 81							.3	.1			.1		.3	.4	.3					1.5					
1 / 79						.1	.2	.1	.1			.3	.1	.4	.1					1.4					
7 / 77						.2	.3					.1								6					
7 / 75						.2	.3	.1		.1			.1							5					
14 / 73			.3		.2		.1													6			30		
1 / 71								.1												1			114		1
7 / 69			.2	.2																4			179		
5 / 67																							96		4
6 / 65																							111		4
4 / 63																							105		28
2 / 61																							102		40
1 / 59																							106		51
1 / 57																							85		64
5 / 55																							31		79
4 / 53																							6		38
1 / 51																							1		30
5 / 49																									51
1 / 47																									25
4 / 45																									34
4 / 43																									34
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.													± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F							
Dry Bulb																									
Wet Bulb																									
Dew Point																									

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 64

USAFETAC

## PSYCHROMETRIC SUMMARY

2112                      WELLIS AFB NV  
STATION                      STATION NAME

69-73, 73-80

YEARS

40  
MONTH

PAGE 2

2922-111  
1948 (L. S. T.)

## PSYCHROMETRIC SUMMARY

2112                      NELLIS AFB NV  
STATION                      STATION NAME

69-70, 73-80

YEARS

AUG  
MONTH

PAGE 1 1000-1450  
HOURS (L. S. T.)



## PSYCHROMETRIC SUMMAR

2012                      ELLIS AFB NV  
STATION                      STATION NAME

69-72, 73-82

YEARS

AUG  
MONTH

PAGE 1

15-17  
HOURS 11-5 P

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**D-26-S (OLA)**

FORM 44

**USAFETAC**







2

PAGE 2 1820-2000  
HOURS (L. S. T.)

YEARS

ALL  
MONTH

**USAFETAC**  
FORM  
AF 44  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

2 112      HELLIC AFB NY  
STATION      STATION NAME

69-70, 73-80

YEARS

AL  
MONTH

PAGE : 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

2 112      ALLIS AFB NV  
STATION

69-70, 73-60

200  
MONTH

PAGE 2 2100-27  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

2-112  
STATUS

ELLIS AFB NV

69-70, 73-80

AUG  
MONTH

STATION NAME

**YEARS**

PAGE 1

ALL  
HOURS (L.S.T.)

[illegible]

## PSYCHROMETRIC SUMMARY

6 112	WILLIS AFB TX
STATION	STATION NAME

69-70,73-82

YEARS

AUG  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]









## PSYCHROMETRIC SUMMARY

2 112	NELLIS AFB NV
STATION	STATION NAME

62-70, 73-80

YEARS

252

MON T M

PAGE 2

0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
/ 10																					44		
/ 17																					62		
/ 10																					17		
/ 13																					4		
/ 11																					13		
/ 2																					12		
/ 8																					5		
L. Tot.		.6	1.2	2.0	2.3	2.6	4.6	10.6	21.0	21.7	16.2	9.8	3.4	2.7	.8	.7		900	900	900	900		

## PSYCHROMETRIC SUMMARY

2 112  
STATION

WELLIS AFB NV

STATION NAME

69-70, 73-80

**YEARS**

SFF  
MONTH

PAGE 1

5600-0800  
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

**USAFETAC**



## PSYCHROMETRIC SUMMARY

2112                      WILLIS AFB TX  
STATION                      STATION NAME

62-72, 73-62

YEARS

SEP  
MONTH

PAGE : 1900-112  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

20112	WELLIS AFB NV
STATION	STATION NAME

69-70, 73-82

252  
MONTH

PAGE 2 2920-110  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

12  
STATION

STATION NAME

67-77, 78-80

YEARS

4444

• 2 •

11-11'

HO. 95 U. S. 9.

[illegible]

2. DEPARTMENT OF COMMERCE

AT 35-41-1045

## PSYCHROMETRIC SUMMARY

6. Static

STATION NAME

▷ **CAPO**

424

525

W. S. S. T.

[illegible]





## PSYCHROMETRIC SUMMARY

69-72, 73-82

PAGE 2 100-200  
RECEIVED

[illegible]

JOINT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 12 VELLIS AFB NV STATION NAME 69-70, 73-80 YEARS SEP MONTH

PAGE 1 2100-2300 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
97																.2		2		2															
96															.3	.2	.1	.1	7		7														
95															.3	.2	.1		6		6														
94														.3	.4	.4	.2	.2	15		15														
93											.1	.3	.1	.8	.9	.2	.1	23		23															
92											.1	.3	1.0	1.1	1.1	1.2	.4	48		48															
91										.2	.4	.3	.8	1.2	1.0	1.4		49		49															
90						.1				.1	.8	.8	1.7	2.0	1.0	1.2		69		69															
89						.1	.1		.3	1.0	.8	1.9	1.8	2.2	1.6	.1		89		89															
88							.8	.8	.8	1.9	2.1	3.1	2.0	.7				109		109															
87						.2	.2	.6	.4	1.1	1.8	1.9	2.3	2.2	.4			101		101															
86					.1	.2	.4	.4	.4	1.0	1.8	2.1	2.4	1.2				92		92															
85				.1	.6	.4	.2	.6	.3	.7	2.2	3.1	1.9	.6				96		96	1														
84				.1	.3	.1	.2	.1	.2	.6	1.4	2.2	.9					56		56	2														
83					.1		.1		.1	.7	1.9	1.7	.9					49		49	7														
82			.1	.2	.3		.3		.4	.3	.7	1.8	.1					39		39	23														
81			.2	.1		.2			.1	.9	.8	.4						25		25	45														
80			.1	.1					.3	.3	.6	.1						14		14	60														
79			.3							.1	.3							7		7	77														
78										.3								3		3	106														
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Element (X)	Σ X <sup>2</sup>					Σ X					Σ X					Σ X					Σ X					Σ X									
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			















FEDERAL CLIMATOLOGY BRANCH  
METAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2012 WELLIS AFB NV  
STATION STATION NAME

69-70, 73-80

VFADG

10

PAGE 2 0300-0500

## PSYCHROMETRIC SUMMARY

YEARS

7600-78J

[illegible]

JOURNAL CLIMATOLOGY BRANCH  
 AFETAC  
 41 WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2-112  
STAT

WELLIS AFB NV

69-70, 73-80

OCT  
MAY

PAGE 2

0600-CALC

[illegible]





2

## 10

OCT  
MON

1

USASITAC FORM 32A-3 (1-4-64) (Rev. 1-10-63)

## PSYCHROMETRIC SUMMARY

5C

PAGE 2 120J-146C  
HOLRS 15 5 7

[illegible]



## PSYCHROMETRIC SUMMARY

OCT  
MAY 1954

1500-1700  
ADRS S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
101																		.2	2	2															
99																		.5	5	5															
97																		1.4	13	13															
95																		4.5	42	42															
93																		.3	3.5	36	36														
91																.2	.4	4.3	46	46															
89																.3	.4	1.5	3.2	51	51														
87												.1			.3	.4	.5	2.7	.3	38	38														
85												.2	.2	.6	2.6	3.2				64	64														
83											.3	.6	1.0	2.6	3.3	1.3				85	85														
81										.4	.3	.4	1.7	1.9	1.8					63	63														
79										.3	.1	1.3	1.1	2.6	1.7	.1				66	66														
77							.1		.1	.2	.9	1.2	1.2	2.9	.6					67	67														
75						.1		.1	.5	.6	.8	.9	2.6	2.8	.1					79	79														
73								.6	.5	.8	.4	1.1	2.5	1.2						66	66														
71							.1	.9	.2	.4	.3	1.8	1.7							51	51														
69				.2			.1	.4	.1	.1	1.0	1.8	1.5							49	49														
67				.1	.3		.3	.1		.4	.6	1.9	.2							38	38														
65					.1	.3	.2			.3	.9	1.0								26	26														
63					.1					.5	.8	.2								15	15														
61				.1		.2	.1			.1	.1									7	7														
59						.1	.2				.6									9	9														
57					.1	.3				.2	.1									7	7														
55					.1					.1										2	2														
53				.3																3	3														
51																																			
49																																			
47																																			
45																																			
43																																			
41																																			
39																																			
37																																			
35																																			
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.																																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

GLOBAL CLIMATOLOGY BRANCH  
 DIRECTOR  
 AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

27112                      NELLIS AFB NV  
STATION                      STATION NAME

69-70, 73-80

OCT  
MONTH

PAGE 2 1500-1700  
HOURS, S. T.

[illegible]



OCT  
MAY

PAGE 2 1800-2000

[illegible]

USA'S TAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

OCT

**MCN™**

2100-2300

HOURS: 9-5-7

[illegible]











2

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2012 NELLIS AFB NV  
STATION STATION NAME

69-70, 73-80

YEARS

NOV

MONTH

PAGE 2 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																			
5																																						20		
4																																						30		
3																																						21		
2																																						4		
1																																						3		
0																																						3		
-1																																						1		
-2																																						3		
-3																																						1		
-4																																						3		
-5																																						1		
-6																																						3		
-7																																						1		
-8																																						3		
-9																																						1		
-10																																						3		
-11																																						1		
-12																																						3		
-13																																						1		
TAL		.7	4.1	7.4	15.0	28.8	23.1	11.7	5.0	2.8	1.3	.1																									900	900	900	
																																						900	900	900

Element (X)	Σ x'	Σ x	Σ	Σ <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1469065	33869	37.6	4.709	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2100770	42918	47.7	7.761	900		1.9	1.1	.1			90
Wet Bulb	1303139	33735	37.5	6.556	900		20.9					90
Dew Point	526268	19262	21.4	1.262	900	1.7	73.5					90



2-112 WELLIS AFB NV  
STATION STATION NAME

69-70, 73-80

NC v

PAGE 2 0300-0500

USAFETAC FORM 0-26-3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



GLOBAL CLIMATOLOGY BRANCH  
CAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2 112      NELLIS AFB NV  
STATION      STATION NAME

69-70, 73-80

NOV  
1964

PAGE 2 0600-C800  
HQ 85-155-1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
✓ / 3																												25			
- / 1																												29			
/ - 1																												9			
- / - 3																												2			
- ✓ / - 5																												2			
- ✓ / - 7																												4			
- / - 9																												1			
- ✓ / - 13																												1			
- ✓ / - 17																												2			
TOTAL		1.3	6.3	12.6	22.0	26.3	18.7	8.2	2.8	1.3	.1	.3							900							900					
																			900							900					
Element (X)	Zx²	Zx	X	Sx	No. Obs.	Mean No. of Hours with Temperature										Total															
Rel. Hum.	1717413	36847	40.9	5.242	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																				
Dry Bulb	1865696	40340	44.8	8.002	900		5.7	.6	.2				90																		
Wet Bulb	1190599	32165	35.7	6.758	900		27.1						90																		
Dew Point	505105	18851	20.9	1.075	900	2.1	76.0						90																		









\_\_\_\_\_  
YEARS

\_\_\_\_\_  
MONTHS

20112      NELLIS AFB NV  
STATION      STATION NAME

69-70, 73-80

YEARS

NOV  
MONTH

PAGE 2 1200-1400  
HOURS, S. Y.

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2112 NELLIS AFB NV  
STATION STATION NAME

69-70, 73-80

YEARS

NOV  
MONTH

PAGE 2 1500-1700

[illegible]



2112 WELLIS AFB WV  
STAT ON STATION NAME

69-70, 73-80

NOV  
1954

PAGE 2 1850-23

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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AD-A113 154 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NELLIS AFB, LAS VEGAS, NEVADA. REVISED UNIFORM SUMMARY OF SURFA--ETC(11)  
OCT 81

AD-A113 154 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NELLIS AFB, LAS VEGAS, NEVADA. REVISED UNIFORM SUMMARY OF SURFA--ETC(11)  
OCT 81

UNCLASSIFIED USAFETAC/DS-81/104

SBI-AD-E850 133

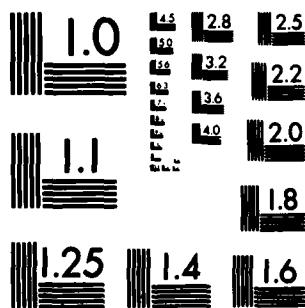
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5. *Journal of the American Statistical Association*, 93, 1998, 1039-1047.

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NATIONAL BUREAU OF STANDARDS-1963-A



GLOBAL CLIMATOLOGY BRANCH  
CAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2 ' 112

NELLIS AFB NV

69-70, 73-80

NOV

MONTH

STATION

STATION NAME

YEARS

PAGE 1

2100-2300

NO. 85-1551

[illegible]

2-112 NELLIS AFB NV 69-70,73-80  
STATION STATION NAME

NOV  
1955

PAGE 2 2100-2300  
HOURS S. T. I.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
1/ 5																					28				
4/ 3																					21				
7/ 1																					15				
10/ -1																					3				
13/ -3																					2				
16/ -5																					2				
19/ -9																					2				
22/ -11																					2				
25/ -13																					2				
TOTAL		.4	3.2	3.1	1.0	20.1	26.0	19.1	8.9	5.1	1.9	1.0							899	900	899				





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2 112 NELLIS AFB NV 69-70,73-80 DEC  
STATION STATION NAME YEARS MONTH

PAGE 1 0600-0200  
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
4/ 63							.3			.1								4		4					
4/ 61								.1	.2									3		3					
4/ 59						.1	.2	.2	.3	.2								10		10					
4/ 57						.2	.1	.1	.1									5		5					
5/ 55				.1		.1	.3	.3	.3	.1								12		12					
4/ 53			.1			.5		.9	.1									15		15					
4/ 51			.4			.6	1.2	.8	.1									29		29	4				
5/ 49		.1	.3	.1	.5	.5	1.2	.6	.1									33		33	4				
4/ 47		.2	.4	.4	1.0	1.4	.8	1.0										48		48	13				
4/ 45			.8	.3	1.1	3.3	1.3	.3										66		66	8				
44/ 43			.2	.8	2.2	2.5	2.5	.3										78		78	19				
42/ 41			.5	1.1	3.0	4.2	1.6	.1										98		98	28				
40/ 39		.2	1.9	2.0	3.4	4.1	1.1											119		119	49				
3/ 37		.5	1.6	1.2	1.9	3.1	.2											80		80	71				
3/ 35		.3	3.0	1.6	4.3	2.6												110		110	95				
34/ 33		1.2	2.8	.8	4.1	2.2												102		102	121				
32/ 31			1.3	1.2	2.7	.8												55		55	147				
30/ 29		.3	.6	.5	1.5	.1												29		29	104				
28/ 27		.1	.3	.5	1.4													22		22	105				
26/ 25		.1	.2	.3	.3													9		9	82				
24/ 23				.1														1		1	37				
22/ 21			.1	.1														2		2	25				
20/ 19																					14				
18/ 17																					3				
16/ 15																					1				
14/ 13																									
12/ 11																									
10/ 9																									
8/ 7																									
6/ 5																									
4/ 3																									
2/ 1																									
0/ -1																									
-2/ -3																									
Element (X)	Σ X <sup>2</sup>		Σ X		X		Σ X		No. Obs.		Mean No. of Hours with Temperature														
Ref. Num.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									









GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27112 NELLIS AFB NV 69-70,73-80 DEC  
STATION STATION NAME YEARS MONTH

PAGE 1 0600-0800  
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
62 / 61								.2										2	2													
59 / 59							.1	.4										5	5													
58 / 55				.2	.1		.3		.2									8	8													
54 / 53				.1	.1	.1	.3	.1	.1									8	8													
52 / 51			.4		.3	.4	.1	.2	.1									15	15													
50 / 49			.3	.3	.5	.3	.1	.4										19	19	5												
48 / 47		.1	.3	.4	.3	1.1	.9	.5										34	34	9												
46 / 45			.3	.5	.9	1.0	1.3											45	45	9	5											
44 / 43		.1	.9	.5	1.4	1.5	1.8											58	58	14	4											
42 / 41		.2	.4	1.2	2.7	2.3	1.0											72	72	26	4											
42 / 39		.4	1.1	2.2	2.6	2.9	.2											87	87	22	7											
38 / 37			2.0	2.4	4.0	2.2												98	98	40	9											
36 / 35		.9	1.6	1.9	3.4	3.2	.2											105	105	70	19											
34 / 33		.9	3.7	3.5	3.7	1.0												118	118	107	12											
32 / 31		.6	3.0	2.7	2.5	.8												89	89	121	22											
30 / 29		1.1	.8	3.7	3.3													82	82	122	39											
28 / 27		1.0	.8	2.0	1.6													50	50	126	40											
28 / 25		.3	.2	1.1	.6													21	21	100	53											
24 / 23		.1	.2	.8														10	10	71	57											
22 / 21			.1	.3														4	4	53	80											
20 / 19																				23	59											
18 / 17																				10	70											
16 / 15																				2	67											
14 / 13																					69											
12 / 11																					61											
10 / 9																					59											
8 / 7																					53											
6 / 5																					34											
4 / 3																					27											
2 / 1																					26											
0 / -1																					11											
-2 / -3																					14											
-4 / -5																					13											
-6 / -7																					11											
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total															
Dry Bulb																																
Wet Bulb																																
Dew Point																																

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AID WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

20112      NELLIS AFB NV  
STATION      STATION NAME

69-70, 73-80

YEARS

DEC  
MEMO

PAGE 2 D600-0800  
MOHS S. T.

[illegible]

69-70, 73-80

DFC

PAGE 1 0900-1100  
H2.85 S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
69									1			.1	.1					3	3																
67											.1							1	1																
65									.1	.3	.1							5	5																
63								.1	.4	.2	.2							9	9																
61							.2	.3	.8	.2	.2							16	16																
59					.2		.4	1.5	.9	.2								30	30																
57					.1	.2	.3	1.7	1.5	.4								40	40																
55					.3	.5	1.6	1.6	1.7	.2								56	56																
53			.1	.2	.2	.9	1.5	3.3	1.5	.1								73	73	1															
51			.2	.3	.3	1.5	3.1	2.7	1.1	.2								88	88	3															
49				.2	1.7	2.2	4.8	3.2										113	113	8															
47		.3	.5	.8	1.6	3.0	2.5	2.0	.2									102	102	28															
45		.2	.6	1.1	1.6	2.5	2.5	1.8	.2									98	98	46	5														
43		.1	.1	.8	1.5	2.3	2.8	.4										74	74	77	2														
41		.1	.8	1.5	1.6	3.2	2.5	.2										92	92	90	7														
39			1.0	.9	1.7	1.2	1.2											55	55	140	16														
37			.4	.5	1.3	1.4	.3											37	37	142	16														
35			.2	.4	.3	.8	.1											17	17	116	17														
33		.1	.3		.8	.6												17	17	101	28														
31			.3			.1												4	4	81	55														
29																				47	54														
27																				28	72														
25																				16	61														
23																				6	52														
21																					79														
19																					93														
17																					71														
15																					67														
13																					52														
11																					51														
9																					28														
7																					30														
5																					18														
3																					18														
Element (X)	Σ x <sup>2</sup>			Σ x			x̄			s <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Num.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

27112      WELLS AFB NV      69-70.73-80      DEC

PAGE 2 1966-1123  
HJ RS S 7

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YEARS

DEC  
1964

PAGE 1 1200-1400  
NO. RS. S. Y.

USAFETAC FORM 0 26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 SAFETAC  
 AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2112      NELLIS AFB NV  
STATION      STATION NAME

69-70, 73-80

DEC  
MAY

PAGE 2 1200-1400  
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DEC

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NOV 15 1954

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

GLOBAL CLIMATOLOGY BRANCH  
CRAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2-112      NELLIS AFB NV  
STATION      STATION NAME

69-70, 73-80

DEC  
MEN 19

PAGE 2 1500-1700  
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
+/ 5																						21													
-/ 3																						24													
-/ 1																						16													
-/ -1																						11													
-/ -3																						4													
-/ -5																						2													
TOTAL		2.2	2.3	2.7	5.6	12.5	20.8	22.8	19.1	9.5	1.9	.6						928		928	926														



**2**

## 2.

DEC

MONTH

1600-2000

NOV 25 1954

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

GLOBAL CLIMATOLOGY BRANCH  
OSAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2 112 NELLIS AFB NV  
STATION STATION NAME

69-70, 73-80

YEARS

DEC  
MONTH

PAGE 2 1600-2000  
MO-RS 100-5-1

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## PSYCHROMETRIC SUMMARY

DEC

DE C  
MOMIN

2100-2300

HO:RS . . . \$ 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
66 / 65								.1										1	1																
64 / 63							.4			.1								5	5																
62 / 61								.2	.1	.2								5	5																
60 / 59								.5	.2	.1								8	8																
58 / 57						.1		.3	.4	.1								9	9																
56 / 55						.1	.4	.6	.5									16	16																
54 / 53			.3	.1	.1	.4	.8	1.3	.4									32	32																
52 / 51			.1	.1		1.1	1.1	1.0	.3									34	34	5															
50 / 49		.1	.9	.3	.5	1.0	2.8	1.5										66	66	4															
48 / 47			1.4	.9	3.0	2.0	1.0											77	77	10															
46 / 45			.2	.9	2.4	4.2	3.7	.6										111	111	17	7														
44 / 43			1.0	.9	1.9	3.8	3.8	.4										109	109	24	5														
42 / 41		.2	1.0	1.9	1.7	3.6	2.9	.2										107	107	49	4														
40 / 39		.1	1.6	2.7	1.9	3.6	1.2											103	103	73	5														
38 / 37		.4	1.5	1.9	1.9	2.6	.5											83	83	121	9														
36 / 35		.2	1.1	.8	2.4	2.0	.4											64	64	125	17														
34 / 33		.3	.8	.8	2.3	1.9												56	56	144	26														
32 / 31			.2	.5	1.0	1.0												25	25	114	37														
30 / 29			.1	.2	.8	.2												12	12	89	55														
28 / 27					.1													1	1	64	46														
26 / 25			.1	.1	.1													3	3	41	63														
24 / 23																				29	65														
22 / 21																				16	70														
20 / 19																				2	60														
18 / 17																					62														
16 / 15																					54														
14 / 13																					59														
12 / 11																					77														
10 / 9																					50														
8 / 7																					48														
6 / 5																					24														
4 / 3																					18														
2 / 1																					19														
0 / -1																					17														
Element (X)	Σ X <sup>2</sup>			Σ X			Σ			Σ X			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.													± 0 F			± 32 F			± 67 F			± 73 F			± 80 F			± 93 F			Total				
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

DEC  
MONTH

PAGE 2 2100-2300  
HQ-RS S. T.

[illegible]



## PSYCHROMETRIC SUMMARY

DEC

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
/ 5																						198									
/ 3																						181									
/ 1																						177									
/ -1																						85									
- / -3																						69									
- / -5																						70									
- / -7																						40									
- / -9																						14									
- / -11																						6									
- / -13																						1									
TOTAL		2.1	3.4	10.7	16.4	18.1	15.2	12.0	8.5	5.6	2.2	.5	.2							7432		7432									
																				7432		7432									

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

2-112                      NELLIS AFB NV  
STATION                      STATION NAME

69-70, 73-81

**ALL**  
MONTH

PAGE 1

ALL

NO. 85 . . . \$ . 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
111/117																		.0	1	1															
111/115																		.0	7	7															
114/113																		.0	34	34															
114/111																		.1	125	125															
111/109																		.4	327	327															
111/107																		.7	599	599															
111/105																	.0	.9	769	769															
111/103																.0	.0	1.2	1068	1068															
112/101															.0	.0	.1	1.2	1217	1217															
110/99													.0	.0	.1	.2	1.3	1368	1368																
103/97													.0	.1	.2	.2	1.4	1617	1617																
106/95									.0	.0	.0	.1	.2	.2	.2	.2	1.5	1938	1938																
104/93								.0		.0	.1	.2	.2	.2	.2	.2	1.4	1928	1928																
107/91									.0	.1	.1	.2	.2	.2	.2	.3	1.2	2026	2026																
107/89									.0	.1	.1	.2	.2	.2	.3	.5	1.1	2358	2358																
108/87							.0	.0	.0	.1	.1	.2	.2	.2	.4	.8	.5	2230	2230																
106/85						.0	.0	.0	.1	.1	.2	.2	.2	.3	.6	1.0	.1	2511	2511																
104/83					.0	.0	.0	.1	.1	.1	.2	.2	.2	.5	.8	.5	.0	2406	2406																
107/81				.0	.0	.0	.1	.1	.1	.1	.2	.2	.4	.7	.7	.2		2464	2464																
107/79				.0	.0	.0	.1	.1	.1	.1	.2	.3	.6	.8	.6	.0		2665	2665		2														
107/77				.0	.0	.1	.1	.1	.1	.2	.3	.5	.7	.8	.2			2594	2594																
106/75				.0	.1	.0	.1	.1	.1	.2	.3	.6	.9	.6	.0			2638	2638	36	1														
104/73		.0	.0	.1	.0	.1	.1	.1	.1	.3	.5	.7	.8	.3	.0			2558	2558	324															
102/71		.0	.0	.0	.1	.1	.1	.1	.2	.3	.6	.9	.6	.0				2623	2624	1155	3														
102/69			.0	.0	.0	.1	.1	.1	.2	.5	.8	.8	.4	.0				2663	2664	211	11														
100/67			.0	.0	.0	.1	.1	.2	.3	.6	.8	.7	.1					2635	2635	2896	53														
106/65		.0	.0	.0	.0	.1	.1	.2	.6	.9	.8	.4	.0					2789	2789	3241	158														
104/63		.0	.0	.1	.1	.1	.2	.4	.8	.8	.7	.2						2833	2833	2939	367														
102/61		.0	.0	.1	.1	.2	.3	.6	.7	.8	.5	.0						2932	2932	3941	636														
102/59		.0	.0	.1	.2	.2	.5	.7	.9	.8	.3							3210	3210	4069	744														
101/57		.0	.1	.1	.2	.4	.5	.8	.8	.6	.1							3131	3131	4601	897														
100/55	.0	.0	.1	.2	.3	.5	.6	.8	.8	.4	.0							3216	3217	4593	1188														
104/53	.0	.0	.1	.2	.4	.5	.7	.8	.6	.1								3040	3040	4600	1183														
102/51	.0	.1	.2	.4	.4	.6	.7	.7	.4	.0								3139	3140	4949	1369														
Element (X)	Σ x <sup>2</sup>			Σ x			x̄			s <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.													≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total				
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			







CLIMATE CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

2 112 WELLS AFB NV

69-70, 73-81

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
4-0	MEAN	40.2	45.9	50.8	57.2	67.0	77.4	83.7	81.6	73.2	60.6	47.7	40.0	60.0	
	S D	7.521	6.681	6.553	7.444	8.046	7.109	6.328	7.373	6.917	6.059	7.761	7.158	16.920	
	TOTAL OBS	930	846	930	900	930	900	930	930	900	929	900	930	10955	
3-0	MEAN	38.1	43.3	48.3	53.9	63.4	72.7	79.5	77.4	69.6	57.3	45.0	37.6	57.2	
	S D	7.689	6.792	6.385	7.299	7.825	6.874	6.671	7.195	7.023	6.104	7.641	7.017	16.217	
	TOTAL OBS	930	846	930	900	930	899	930	930	900	930	900	930	10955	
5-0	MEAN	37.3	42.7	49.0	57.2	68.4	78.8	84.4	81.0	72.3	58.4	44.8	37.0	59.4	
	S D	7.710	7.007	6.630	7.942	8.374	7.312	6.418	7.652	7.854	6.687	8.002	6.971	18.286	
	TOTAL OBS	930	846	930	898	930	900	930	930	900	930	900	930	10954	
-1	MEAN	40.1	53.3	58.6	67.9	78.4	90.3	95.1	92.9	85.5	72.4	57.5	47.9	70.6	
	S D	7.465	6.747	6.834	8.409	9.044	7.635	5.651	6.459	7.172	6.959	7.923	6.893	15.691	
	TOTAL OBS	93	846	930	900	930	900	930	930	900	930	900	930	10956	
12-1	MEAN	53.0	60.7	64.1	73.5	83.8	96.4	101.1	99.3	92.0	79.7	65.6	56.9	77.3	
	S D	7.348	6.637	7.690	8.989	9.570	7.865	5.935	6.479	7.243	6.198	7.805	6.493	16.189	
	TOTAL OBS	930	846	930	900	930	899	930	930	900	930	900	930	10955	
15-17	MEAN	54.6	61.8	65.2	74.8	85.3	97.8	102.6	100.7	92.9	79.9	65.2	56.6	78.2	
	S D	7.636	6.945	7.990	9.347	9.712	7.667	6.119	6.412	7.411	6.359	8.186	6.623	18.604	
	TOTAL OBS	930	846	930	900	928	900	930	930	900	930	900	923	10950	
-2	MEAN	47.4	55.0	59.8	69.3	80.4	92.7	97.7	94.8	85.6	71.1	56.3	47.9	71.6	
	S D	6.945	6.466	7.302	8.950	9.506	7.812	6.542	6.988	7.394	6.909	7.626	6.241	19.267	
	TOTAL OBS	930	846	930	899	927	900	930	930	900	930	900	927	10949	
1-23	MEAN	42.0	49.5	54.4	62.2	72.7	83.9	89.8	87.2	77.8	63.9	50.7	42.9	64.9	
	S D	7.233	6.170	6.603	7.843	8.428	6.834	5.792	6.455	6.951	6.344	7.549	6.692	17.919	
	TOTAL OBS	930	846	929	900	927	900	930	930	900	930	900	927	10949	
ALL HOURS	MEAN	45.1	51.5	56.3	64.5	74.9	86.3	91.7	89.4	81.1	67.9	54.1	45.8	67.5	
	S D	9.714	9.644	9.383	11.162	11.700	11.473	10.193	10.742	11.189	12.211	11.082	10.001	19.576	
	TOTAL OBS	7440	6768	7439	7197	7432	7198	7440	7440	7200	7439	7200	7432	87625	

JOINT CLIMATOLOGY BRANCH  
AFMCTAC  
AF WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

2012 WELLS AFB NV

69-70,73-81

STATION		STATION NAME										YEARS			
HRS (EST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-0	MEAN	33.1	37.9	41.4	43.5	49.7	53.9	60.6	59.7	54.4	46.3	37.5	32.1	45.9	
	S D	4.938	6.072	5.792	5.135	4.948	4.624	6.312	6.864	6.257	6.564	6.556	5.993	11.215	
	TOTAL OBS	930	846	929	900	930	900	930	930	898	929	900	930	10952	
3-0	MEAN	32.2	36.3	39.9	41.8	48.1	52.0	59.2	58.3	52.9	44.5	35.8	30.5	44.3	
	S D	7.094	6.325	5.918	5.335	5.169	4.893	7.016	7.429	6.645	6.842	6.670	6.084	11.365	
	TOTAL OBS	930	846	930	900	930	899	930	930	900	930	900	930	10955	
6-0	MEAN	31.7	36.0	40.3	43.8	50.8	55.1	61.7	60.2	54.4	45.2	35.7	30.2	44.5	
	S D	7.122	6.444	5.858	5.409	4.965	4.495	6.012	7.082	6.743	6.934	6.753	6.086	12.214	
	TOTAL OBS	930	846	930	898	930	900	930	930	900	930	900	930	10954	
-11	MEAN	37.3	42.1	45.0	48.7	54.8	60.0	65.7	64.8	60.4	52.7	43.2	37.3	51.0	
	S D	6.354	5.257	5.062	5.011	4.549	3.835	4.096	5.073	5.035	5.594	5.782	5.354	11.071	
	TOTAL OBS	930	845	930	900	930	900	930	930	900	930	900	930	10955	
12-14	MEAN	41.6	45.6	47.3	50.8	56.7	62.6	67.7	66.9	62.6	55.1	47.2	42.3	53.9	
	S D	5.760	4.538	4.849	4.995	4.593	3.960	3.270	4.227	4.347	5.285	5.278	4.748	10.185	
	TOTAL OBS	930	845	930	900	930	899	930	930	900	930	900	930	10954	
5-17	MEAN	42.1	46.1	47.6	51.2	57.1	63.3	68.0	67.0	62.6	55.1	46.9	42.1	54.1	
	S D	5.722	4.367	4.615	4.984	4.561	3.898	2.928	3.746	4.104	5.292	5.383	4.829	10.167	
	TOTAL OBS	930	846	930	900	928	900	930	930	900	930	900	928	10952	
1-2	MEAN	38.2	42.9	45.5	48.8	55.0	60.7	66.0	64.4	59.5	51.2	42.4	37.2	51.0	
	S D	6.163	4.954	4.804	4.890	4.598	3.951	3.858	4.713	4.945	5.852	5.853	5.237	10.903	
	TOTAL OBS	930	846	930	899	927	900	930	930	900	930	900	927	10949	
1-23	MEAN	35.4	40.1	43.2	45.8	51.9	56.6	62.8	61.6	56.3	47.8	39.2	34.0	47.9	
	S D	6.729	5.569	5.341	4.950	4.642	3.954	5.056	5.861	5.814	6.392	6.194	5.672	11.040	
	TOTAL OBS	930	846	929	900	927	900	930	930	900	930	899	927	10948	
ALL HOURS	MEAN	36.5	40.9	43.8	46.8	53.0	58.0	64.0	62.9	57.9	49.7	41.0	35.7	49.2	
	S D	7.515	6.614	6.007	6.078	5.700	5.767	5.920	6.569	6.643	7.331	7.461	7.125	11.605	
	TOTAL OBS	7440	6766	7438	7197	7432	7198	7440	7440	7198	7439	7199	7432	87619	

UNITED STATES CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

20112 WELLS AFB NV

69-70,73-81

STATION		STATION NAME										YEARS			
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-12	MEAN S D TOTAL OBS	21.1 12.092 930	25.5 11.513 846	28.5 11.377 929	25.4 9.736 900	30.5 9.860 930	29.9 9.261 900	41.3 13.819 930	41.4 13.752 930	36.0 12.373 898	28.6 11.835 929	21.4 11.262 900	17.5 10.491 930	29.0 13.629 10952	
3-12	MEAN S D TOTAL OBS	21.3 11.740 930	25.1 11.409 846	27.8 11.205 930	25.3 9.640 900	30.7 9.747 930	29.9 9.716 899	41.7 14.253 930	41.6 14.113 930	35.9 12.655 900	28.0 11.983 930	20.7 11.290 900	16.7 10.527 930	28.8 13.869 10955	
6-12	MEAN S D TOTAL OBS	21.1 11.547 930	25.2 11.299 846	27.9 11.938 930	26.4 9.338 898	32.1 9.118 930	32.3 8.739 900	43.7 12.956 930	43.3 13.433 930	37.2 12.355 900	28.7 11.611 930	20.9 11.075 900	16.9 10.431 930	29.7 13.858 10954	
-11	MEAN S D TOTAL OBS	23.7 11.304 930	26.8 11.932 845	27.7 11.125 930	26.1 8.833 900	31.9 8.360 930	34.3 6.701 900	45.3 10.660 930	44.7 11.529 930	39.7 10.945 900	31.0 10.396 930	23.9 10.077 900	20.8 9.637 930	31.3 12.854 10955	
12-1	MEAN S D TOTAL OBS	24.4 11.430 930	26.3 11.818 845	26.6 11.881 930	25.2 8.326 900	31.5 7.499 930	35.8 5.919 899	45.4 8.792 930	44.8 9.799 930	39.8 9.581 900	31.1 9.815 930	24.4 9.511 900	21.7 9.563 930	31.4 12.302 10954	
12-17	MEAN S D TOTAL OBS	24.4 11.636 930	26.0 11.816 846	25.9 11.600 930	24.8 8.022 900	31.0 7.154 928	36.2 5.830 900	44.9 8.229 930	43.7 8.858 930	38.9 9.181 900	30.7 9.630 930	24.2 9.77 900	21.6 9.891 928	31.1 12.071 10952	
-2	MEAN S D TOTAL OBS	23.7 11.883 930	26.4 11.398 846	27.2 11.159 930	24.3 8.810 899	30.1 8.238 927	33.8 6.278 900	43.5 9.943 930	41.8 10.740 930	37.2 10.696 900	29.4 10.969 930	22.9 10.815 900	20.1 10.246 927	30.1 12.529 10949	
1-23	MEAN S D TOTAL OBS	22.9 12.188 930	26.4 11.562 846	28.2 11.454 929	24.9 9.814 900	29.8 9.500 927	30.5 7.946 900	41.9 12.483 930	41.1 12.971 930	36.2 11.862 900	28.7 11.643 930	21.9 11.045 899	18.4 10.376 927	29.3 13.199 10948	
ALL HOURS	MEAN S D TOTAL OBS	22.7 11.800 7440	26.0 11.232 6766	27.5 11.120 7438	25.3 9.104 7197	30.9 8.768 7432	32.8 8.048 7198	43.5 11.692 7440	42.8 12.117 7440	37.6 11.373 7198	29.5 11.075 7439	22.6 10.717 7199	19.2 10.329 7432	30.1 13.094 87619	

CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

01112 WELLS AFB NV  
 STATION

STATION NAME

77,73-81

PERIOD

JAN  
 MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	0-01	100.0	96.0	87.8	67.3	47.5	34.2	18.0	7.8	1.1	51.2	930
	01-02	100.0	97.8	87.6	71.6	52.7	37.4	21.5	9.7	1.6	53.7	930
	02-03	100.0	98.2	88.7	74.2	54.7	38.9	22.0	11.7	1.5	54.7	930
	03-04	100.0	93.8	73.8	50.6	33.2	20.4	11.1	5.5	.5	44.6	930
	04-05	99.7	82.7	50.3	29.5	18.1	9.6	5.3	1.6	.2	35.2	930
	05-06	99.5	79.1	48.3	29.1	18.2	10.5	5.7	1.8	.1	34.6	930
	06-07	99.6	91.0	71.5	45.7	30.5	19.1	10.8	5.5	.2	42.9	930
	07-08	99.9	94.3	82.5	59.6	41.1	26.7	15.1	6.3	.9	46.3	930
	08-09											
	09-10											
	10-11											
	11-12											
	12-13											
	13-14											
	14-15											
	15-16											
	16-17											
	17-18											
	18-19											
	19-20											
	20-21											
	21-22											
	22-23											
	23-24											
TOTALS		99.8	91.6	73.3	53.5	37.0	24.6	13.7	6.0	.8	45.7	7440

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

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MONTH

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0-87-5 (OL A)

## RELATIVE HUMIDITY

MAP  
MONTH

[illegible]

FORM  
JUL 64

0-87.5 (OL A)

2

## RELATIVE HUMIDITY

AF3

**MONTH**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	0-02	99.7	77.3	45.7	23.7	11.0	5.2	2.7	1.1		72.0	900
	03-05	100.0	85.3	55.4	30.2	15.4	7.4	3.1	1.7	.2	35.7	900
	06-08	99.7	81.8	48.8	24.5	10.6	5.7	2.8	1.4	.2	33.1	895
	09-11	97.7	46.1	14.3	6.7	4.1	2.6	1.1	.1		22.6	900
	12-14	91.7	23.9	6.4	3.8	2.6	1.0	.1			17.9	900
	15-17	87.6	21.3	5.9	3.6	2.0	.9	.2			16.9	900
	18-20	94.0	33.3	13.1	6.3	3.8	2.0	1.0	.3		20.4	899
	21-23	97.9	59.8	28.3	13.8	5.9	3.3	1.7	.9		26.7	900
TOTALS		96.0	53.7	27.3	14.1	6.9	3.5	1.6	.7	.1	25.7	7197

0-87-5 (OL A)



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

21112 HELLIS AFB NV 70,73-81 MAY  
STATION STATION NAME PERIOD MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	99.5	62.9	31.0	16.5	11.1	6.1	3.9	1.1	.2	23.7	930
	03-05	99.8	76.9	42.4	21.0	12.7	8.1	4.7	1.6	.3	32.3	930
	06-08	99.5	66.1	33.4	16.3	9.1	5.3	2.6	1.2	.2	29.8	930
	09-11	92.5	35.1	14.4	6.6	2.4	1.4	.9	.4	.1	20.4	930
	12-14	82.6	20.9	9.4	3.1	1.2	.2				16.6	930
	15-17	76.0	15.4	5.3	3.2	2.3	.8	.3			15.5	928
	18-20	86.3	23.7	9.9	5.5	3.3	1.7	.4			17.9	927
	21-23	97.3	41.0	19.4	11.8	6.0	3.2	1.5	.3		23.2	927
TOTALS		91.7	42.8	20.5	10.5	6.0	3.4	1.8	.6	.1	22.9	7432

## RELATIVE HUMIDITY

JUN  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JULY	00-02	95.1	39.3	7.3	2.8	1.2	.7				13.7	900
	03-05	98.7	46.6	12.6	4.3	1.8	1.1	.4			21.9	899
	06-08	95.0	36.0	8.9	2.9	1.1	.3	.1			19.7	900
	09-11	75.0	11.2	2.7	.9	.2					14.4	900
	12-14	59.4	4.1	1.3	.7						12.3	899
	15-17	58.0	3.9	1.3	.3	.1					11.9	900
	18-20	63.0	6.9	2.2	1.0	.2					12.9	900
	21-23	84.8	12.6	4.6	1.7	1.0	.3				15.4	900
TOTALS		79.1	19.0	5.2	1.8	.7	.3	.1			15.9	7198

0-87-5 (OL A)

## RELATIVE HUMIDITY

JUL  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	96.6	50.2	25.5	13.4	6.8	4.2	1.5	.5		21.1	930
	03-05	78.9	61.4	36.3	19.1	9.6	5.4	2.8	.1		20.9	930
	06-08	95.8	58.5	30.3	14.8	7.5	3.2	1.0			26.6	930
	09-11	85.3	40.0	13.8	5.6	2.3	.8	.3			20.1	930
	12-14	76.5	21.7	6.3	2.2	1.2	.9	.3			16.4	930
	15-17	72.7	16.6	6.5	3.7	1.3	.5				15.5	930
	18-20	78.7	24.3	10.2	4.9	1.9	1.1	.8			17.4	930
	21-23	70.0	37.0	17.2	8.4	4.4	2.2	1.0	.2		21.2	930
TOTALS		66.8	38.7	18.3	9.0	4.4	2.3	1.0	.1		21.4	7440

### RELATIVE HUMIDITY

AUG  
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	0-02	99.2	55.9	28.6	15.1	8.1	2.8	1.5			26.5	930
	03-05	100.0	67.0	40.5	20.2	10.9	5.5	2.0	.3		30.4	930
	06-08	99.6	64.8	36.5	18.1	8.4	4.3	1.3	.5		24.9	930
	09-11	91.1	41.7	14.3	6.2	2.8	1.4	.9	.3		21.0	930
	12-14	41.1	23.4	7.4	3.1	1.3	.6	.4			17.0	930
	15-17	75.8	17.4	5.7	2.8	1.3	.3				15.6	930
	18-20	46.1	23.8	10.2	5.3	2.6	.8	.1			17.7	930
	21-23	95.8	41.0	16.8	9.9	5.7	2.8	.4			22.2	930
TOTALS		91.1	41.9	20.0	10.2	5.1	2.3	.8	.1		22.4	7440

0-87-5 (OL A)

## RELATIVE HUMIDITY

SEP  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN.	0-02	99.4	68.8	31.0	13.0	7.6	4.3	1.9	1.1		26.2	899
	3-05	99.6	78.6	41.4	19.2	10.2	6.2	2.9	1.2		31.4	900
	6-08	99.3	74.2	37.7	17.4	8.8	4.7	1.9	.3		30.2	900
	9-11	93.8	41.0	16.1	7.6	3.4	1.6	.3			21.8	900
	12-14	83.8	22.6	9.4	4.4	1.9	.4	.1			17.6	900
	15-17	81.7	19.2	8.3	4.2	1.7	1.2	.6	.2		16.8	900
	18-20	93.6	30.6	11.6	6.4	3.1	1.3	.9	.1		19.7	900
	21-23	98.9	53.3	19.0	9.6	4.9	3.1	1.3	.3		24.3	900
TOTALS		93.8	48.5	21.8	10.1	5.2	2.9	1.2	.4		27.4	7198

2

U.S. AIR FORCE  
CLIMATE BRANCH  
AFETAC  
U.S. WEATHER SERVICE/MAC

RELATIVE HUMIDITY

21112 WELLS AFB NV 69-70,73-80 OCT  
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	10-02	100.0	77.2	40.2	22.8	13.2	8.4	4.3	1.1	.1	32.4	929
	7-05	100.0	85.5	49.9	28.0	15.5	10.2	6.2	1.7	.1	35.4	930
	6-08	100.0	85.5	49.7	26.6	14.9	9.7	4.9	1.6		35.1	930
	4-11	98.6	48.0	19.9	10.2	6.0	3.1	.9	.4		24.3	930
	12-14	43.9	25.9	10.9	5.5	2.3	1.1	.4	.2		16.3	930
	15-17	23.4	23.9	10.0	5.8	2.3	1.3	.4			13.3	930
	18-20	99.1	45.3	19.0	11.1	5.7	2.3	1.2	.2		23.3	930
	21-23	99.7	67.6	31.5	17.1	9.8	4.8	1.9	.2		28.9	930
TOTALS		98.1	57.4	28.8	15.9	8.7	5.1	2.5	.7	.0	27.1	7439



AL CLIMATOLOGY BRANCH  
LTAC  
WEATHER SERVICE/NAO

## RELATIVE HUMIDITY

STATION

ALLIE ANN W.

STATION NAME

60-7C, 73-PJ

PERIOD

546

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	0-01	100.0	96.2	71.7	46.6	26.8	15.6	10.2	1.7		42.8	930
	02-05	100.0	98.3	77.5	51.5	30.1	20.5	12.3	2.9		45.1	930
	06-08	100.0	98.8	82.3	55.6	35.4	22.7	12.6	2.6	.1	46.5	930
	09-11	100.0	91.2	56.7	30.2	16.7	8.3	3.4	1.0		36.2	930
	12-14	99.7	68.1	27.5	11.7	4.5	2.9	1.7	.3		27.4	930
	15-17	99.7	68.1	31.3	11.9	5.9	3.6	1.9	.3		27.8	928
	18-20	100.0	90.6	52.5	27.5	16.5	8.2	3.2	.4		35.5	927
	21-23	100.0	95.4	66.5	37.6	23.3	14.8	5.2	1.4		39.3	927
TOTALS		99.9	88.3	58.3	34.1	19.9	12.5	6.3	1.3	.0	37.6	7430

**USAFETAC**FORM  
1511-64

0-87-5 (OL A)



AFMCLIMATOLOGY BRANCH  
AFMCLIMATOLOGY  
AFMCLIMATOLOGY SERVICE/MAC

# RELATIVE HUMIDITY

00112 WELLS AFB NV

69-73,73-01

ALL

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
JAN	ALL	99.8	91.6	77.3	63.5	53.0	44.6	33.7	26.0	.9	45.7	744
FEB		99.9	83.7	61.3	43.6	31.7	22.3	13.9	6.9	1.7	42.1	6766
MAR		99.2	78.1	54.1	37.8	25.9	16.9	9.0	2.4	.4	37.1	7439
APR		96.0	53.7	27.3	14.1	6.9	3.5	1.6	.7	.1	25.7	7197
MAY		91.7	42.8	20.5	10.5	6.3	3.4	1.8	.6	.1	22.9	7437
JUN		79.1	17.0	5.2	1.3	.7	.3	.1			15.9	7191
JUL		6.8	38.7	18.3	9.0	4.4	2.3	1.0	.1		21.4	7441
AUG		41.1	41.9	20.0	10.2	5.1	2.3	.8	.1		22.4	7441
SEP		93.8	46.5	21.8	12.1	5.2	2.9	1.2	.4		23.3	7195
OCT		98.1	57.4	28.3	15.9	8.7	5.1	2.5	.7		27.1	7439
NOV		99.4	76.1	45.7	24.5	11.7	5.3	2.5	.7		32.2	7199
DEC		99.9	88.3	58.3	34.1	19.9	12.5	6.3	1.3		37.6	7432
TOTALS		94.6	60.3	36.2	22.1	13.6	8.5	4.5	1.7	.3	27.6	87519

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.

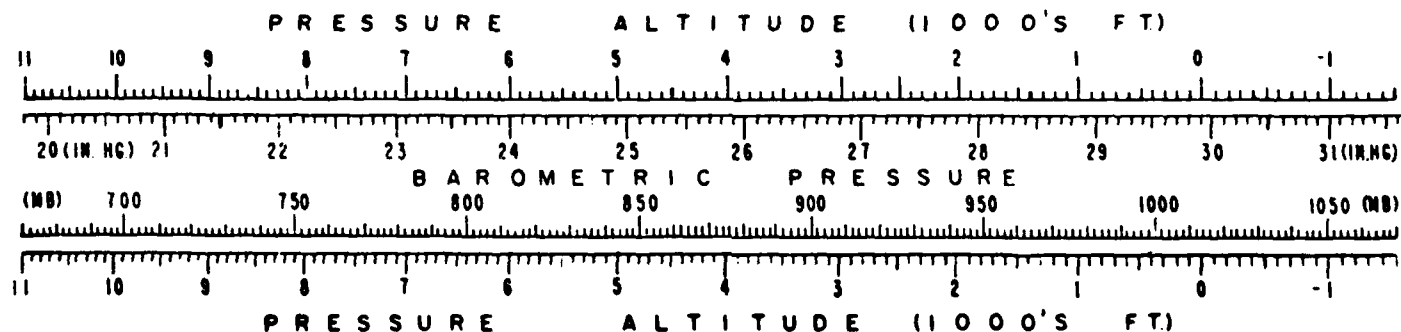
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

2 112 WELLS AFB NV

69-70,73-81

STATION		STATION NAME										YEARS				
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
1	MEAN	28.175	28.082	27.957	27.920	27.856	27.835	27.873	27.868	27.908	27.991	28.081	28.124	27.965		
	S D	.171	.167	.165	.138	.125	.098	.080	.074	.102	.129	.177	.157	.170		
	TOTAL OBS	310	282	310	310	310	300	310	310	300	310	300	310	3652		
4	MEAN	28.105	28.077	27.952	27.927	27.871	27.854	27.892	27.883	27.920	27.997	28.084	28.126	27.974		
	S D	.174	.174	.169	.142	.128	.100	.078	.074	.101	.132	.180	.159	.168		
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652		
7	MEAN	28.129	28.107	27.991	27.971	27.914	27.898	27.937	27.929	27.964	28.034	28.117	28.150	28.011		
	S D	.171	.179	.171	.144	.129	.103	.074	.074	.100	.132	.179	.162	.165		
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	310	3651		
10	MEAN	28.163	28.130	28.005	27.976	27.913	27.893	27.936	27.932	27.967	28.041	28.136	28.179	28.022		
	S D	.176	.180	.169	.143	.124	.103	.075	.074	.099	.129	.178	.163	.171		
	TOTAL OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651		
13	MEAN	28.089	28.064	27.948	27.923	27.863	27.842	27.883	27.873	27.905	27.975	28.062	28.101	27.960		
	S D	.167	.173	.163	.139	.120	.104	.077	.076	.099	.126	.171	.159	.163		
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651		
16	MEAN	28.069	28.028	27.905	27.870	27.809	27.788	27.822	27.813	27.855	27.938	28.035	28.080	27.917		
	S D	.161	.168	.159	.136	.119	.103	.078	.075	.101	.127	.169	.156	.162		
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	309	3650		
19	MEAN	28.088	28.045	27.918	27.877	27.811	27.787	27.822	27.816	27.864	27.956	28.058	28.103	27.928		
	S D	.160	.167	.157	.134	.119	.101	.084	.076	.103	.127	.173	.156	.174		
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	309	3650		
2	MEAN	28.111	28.070	27.949	27.913	27.847	27.824	27.865	27.856	27.896	27.984	28.081	28.125	27.960		
	S D	.163	.167	.159	.135	.121	.100	.084	.078	.102	.127	.174	.156	.171		
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	309	3650		
ALL HOURS	MEAN	28.107	28.075	27.953	27.922	27.861	27.840	27.879	27.871	27.910	27.989	28.082	28.124	27.967		
	S D	.171	.174	.167	.143	.129	.109	.089	.086	.108	.133	.177	.161	.172		
	TOTAL OBS	2400	2255	2480	2399	2477	2399	2480	2480	2400	2480	2400	2477	29207		

LOCAL CLIMATOLOGY BRANCH  
ETAC  
WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

2 112

WELLIS AFB NV

69-70, 73-91

STATION		STATION NAME												YEARS	
MRS ILST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
01	MEAN	1019.3	1017.7	1012.8	1011.0	1008.1	1006.7	1007.8	1007.8	1009.6	1013.3	1017.4	1019.5	1012.5	
	S D	6.388	6.257	6.040	5.197	4.672	3.627	2.999	2.795	3.665	4.861	6.027	5.840	6.838	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
02	MEAN	1019.0	1017.5	1012.7	1011.3	1008.7	1007.5	1008.6	1008.3	1010.1	1013.6	1017.6	1019.7	1012.9	
	S D	6.483	6.508	6.193	5.324	4.750	3.688	2.901	2.809	3.849	4.955	6.755	5.918	6.742	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
03	MEAN	1020.2	1018.9	1014.3	1013.0	1010.3	1009.1	1010.2	1010.1	1011.8	1015.2	1019.2	1021.0	1014.4	
	S D	6.715	6.739	6.274	5.371	4.756	3.738	2.799	2.778	3.890	5.004	6.611	6.000	6.731	
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	309	3650	
04	MEAN	1021.3	1019.6	1014.7	1013.1	1010.2	1008.8	1010.2	1010.0	1011.8	1015.2	1019.6	1021.8	1014.7	
	S D	6.579	6.731	6.187	5.303	4.613	3.752	2.841	2.785	3.771	4.896	6.598	6.094	6.912	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
05	MEAN	1018.4	1017.0	1012.5	1011.1	1008.3	1007.0	1008.1	1007.9	1009.5	1012.7	1016.7	1018.7	1012.3	
	S D	6.211	6.500	5.966	5.155	4.462	3.794	2.901	2.860	3.760	4.730	6.421	5.891	6.541	
	TOTAL OBS	310	282	310	300	310	299	310	310	300	310	300	310	3651	
06	MEAN	1017.5	1015.7	1010.9	1009.2	1006.4	1005.1	1006.1	1005.8	1007.7	1011.5	1015.8	1018.0	1010.8	
	S D	6.004	6.287	5.791	5.104	4.447	3.755	2.918	2.835	3.828	4.718	6.347	5.778	6.791	
	TOTAL OBS	310	282	310	300	309	300	310	310	299	310	300	309	3649	
07	MEAN	1018.7	1016.7	1011.6	1009.5	1006.5	1005.0	1006.1	1006.0	1008.2	1012.4	1017.0	1019.2	1011.4	
	S D	6.028	6.242	5.750	5.008	4.479	3.711	3.117	2.891	3.889	4.801	6.525	5.971	7.125	
	TOTAL OBS	310	282	310	300	309	300	310	310	299	310	300	309	3649	
2	MEAN	1019.3	1017.3	1012.6	1010.7	1007.7	1006.4	1007.5	1007.3	1009.2	1013.2	1017.6	1019.8	1012.4	
	S D	6.113	6.281	5.837	5.096	4.530	3.716	3.113	2.955	3.870	4.787	6.552	5.806	6.934	
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	308	3649	
ALL HOURS	MEAN	1019.2	1017.6	1012.8	1011.1	1008.3	1006.9	1008.1	1007.9	1009.8	1013.4	1017.6	1019.7	1012.7	
	S D	6.397	6.537	6.109	5.352	4.780	3.975	3.296	3.209	4.080	4.988	6.686	6.015	6.940	
	TOTAL OBS	2480	2256	2480	2399	2477	2399	2480	2480	2398	2480	2400	2475	29204	

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